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ABSTRACT

This volume lists and describes products pertaining to assistive and rehabilitative technologies in the areas of communication, control, and computer access, as well as special software. Part 1, covering communication for individuals with disabilities, includes products designed as aids to both electronic and nonelectronic communication. It includes aids that supplement speech or replace speech, as well as products that help with the process of nonspeech communication. Part 2, covering the area of control, includes special switches plus environmental controls and calling devices. Part 3 lists products which provide disabled people with access to computers, such as keyboard modifications, alternate inputs, input adapters, alternate display systems, braille printers, and speech synthesizers. Part 4 describes special software written specifically for the needs of people with disabilities and professionals who work with them, addressing the areas of administration and management, assessment, education and training, recreation, and personal tools. For each product, information provided includes vendor's name, basic facts, a photograph (if available and relevant), and a short description of the product's functions and capabilities. Several indexes list products by their functions, input and output features, computer, and manufacturer. (JDD)

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RESOURCEBOOK

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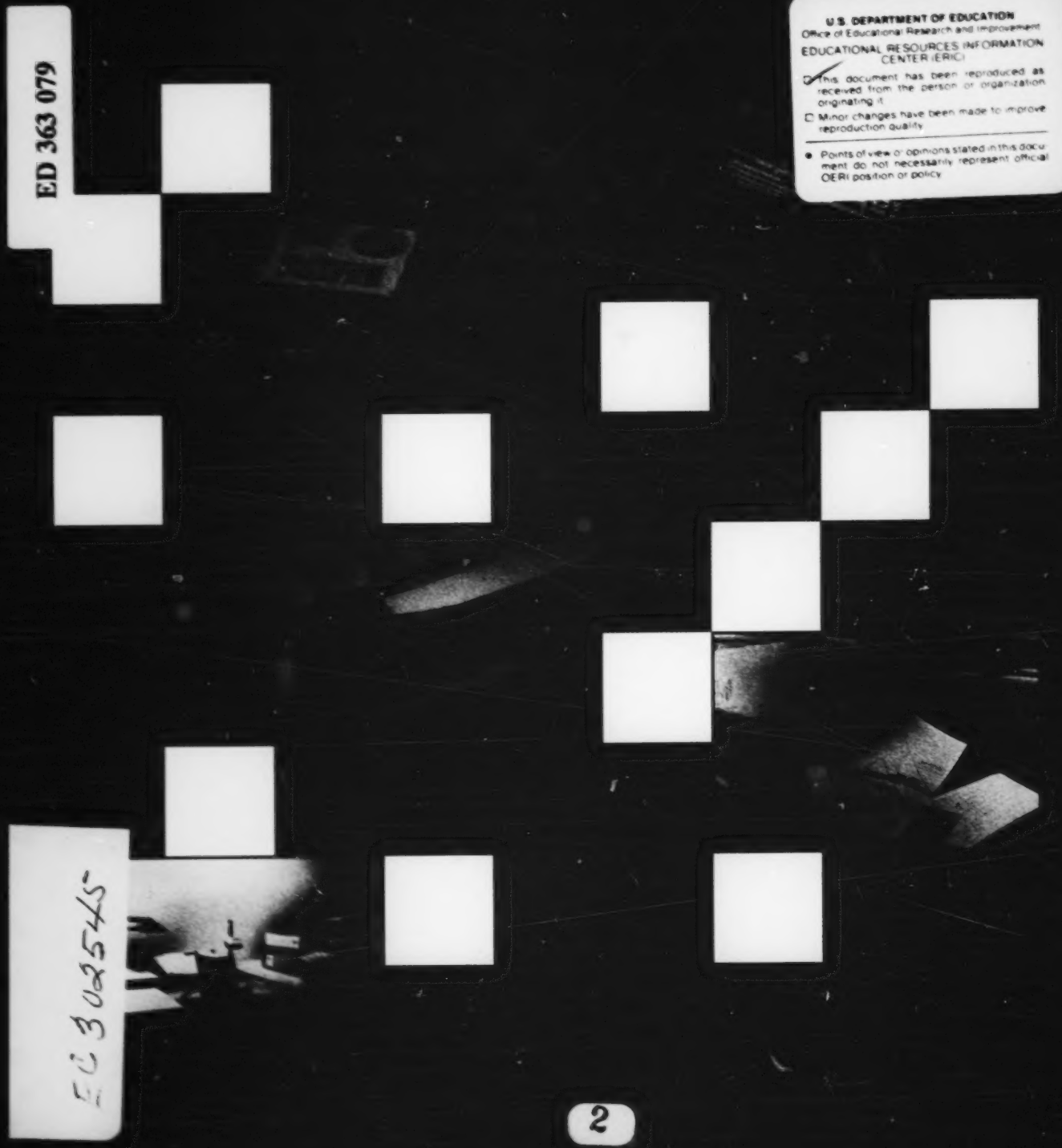

EC 302545

Trace ResourceBook

Assistive Technologies for Communication, Control & Computer Access

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1993-94 Edition

The Trace ResourceBook, 1993-94 Edition supercedes the earlier Trace ResourceBook, 1991-92 Edition. The information on products in the earlier edition has been revised and updated, and new information added.

Trace ResourceBook

Assistive Technologies for Communication, Control & Computer Access

1993-94 Edition

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Peter Borden
Sarah Fatherly
Kelly Ford
Gregg Vanderheiden

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An association for the advancement of rehabilitation technology

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ERRATA

Trace ResourceBook - 1993-94 Edition

Below are corrections to two errors in the Trace ResourceBook. Please note them.

Appendix B-5: Networks, Bulletin Boards and Databases, Page 785

The address for ABLEDATA is listed incorrectly. The entry should appear as follows:

ABLEDATA
Macro International
8455 Colesville Road, Suite 935
Silver Spring, MD 20910
(301) 588-9284
(800) 346-2742
A computerized listing of all commercially available products for rehabilitation and independent living. There are four ways to access the database: (1) calling the ABLEDATA office; (2) searching by computer modem through the ABLE INFORM bulletin board; (3) CD-ROM or floppy disk versions available from Macro International; (4) CD-ROM or floppy disk versions available from the Trace Center.

There should also be a listing for ABLE INFORM, an on-line information system which includes ABLEDATA:

ABLE INFORM
Macro International
8455 Colesville Road, Suite 935
Silver Spring, MD 20910
(301) 588-9284
(800) 227-0216
An electronic bulletin board of assistive technology, disability and rehabilitation information. Provides conferencing, bulletins, and classified listings of previously owned adaptive devices. Also allows on-line access to REHABDATA, ABLEDATA, and other NARIC databases.

Index 5: Manufacturers Listed with their Products, Page 913

The 800 phone number for IBM Corporation is no longer correct. The 407 area code number (Florida) *is* correct. There are several 800 numbers to call, depending on the product you are interested in and whether you want to get information or to order the product. The correct 800 numbers are as follows:

Screen Reader, Keyguard, PhoneCommunicator

For information call:	To order call:
(800) 426-4832 (USA, voice)	(800) 426-3388 (USA, voice)
(800) 426-3833 (USA, TDD)	(800) 426-3383 (USA, TDD)
(800) 465-7999 (Canada, voice)	(800) 465-7999 (Canada, voice)

(continued. . .)

AccessDOS

For information call:
(800) 426-4832 (USA, voice)
(800) 465-7999 (Canada, voice)

To order call:
(800) 426-7282 (USA, voice)
(800) 465-7999 (Canada, voice)

VoiceType

For information and orders call:
(800) TALKTYP (800-825-5897)
(800) 465-7999 (Canada, voice)

THINKable and SpeechViewer

For information and orders call:
(800) 228-0752
(800) 465-7999 (Canada, voice)

Preface: How to Use This Book

Overview

The application of technology in the areas of augmentative communication, special education and rehabilitation is continually growing and changing. Private industries and public research institutions are always seeking new ways of addressing the needs of people with physical, sensory and cognitive disabilities. Fortunately, their work has borne considerable fruit. Unfortunately, it can be a bewildering task to keep track of what has been developed.

This book is for anyone who needs to know "what's out there": people with disabilities, parents, rehabilitation professionals, educators, administrators, therapists. The intent of the *Trace ResourceBook* is to help you understand and be able to locate useful tools quickly and efficiently, so you can devote your time and energy to applying them successfully. This volume lists products pertaining to communication, control, and computer access, as well as special software. For each product we have provided a vendor's name, a few basic facts about it, a photograph (if available and relevant), and a short description of the product's functions and capabilities.

The term "Assistive Technologies" appears in the subtitle of this book, in recognition of the currency of this term in field. It should be pointed out that by "assistive technologies"--a term sometimes reserved for devices that supplement a person's capabilities--we are also referring to "rehabilitative technologies," or devices used to improve or develop a person's functional abilities.

This volume is a complete update, replacing the 1991-92 edition of the *Trace ResourceBook*. Information on products previously listed has been updated, obsolete products have been deleted, and new products have been added. The product information, including prices, were confirmed as of April, 1993.

This Book Includes Special Devices and Software

This ResourceBook lists products designed specifically for the needs of people with disabilities. We recognize that there are a large number of products designed for the general public that can be useful to people with disabilities; however, we cannot list these due to the volume of material they represent. The one exception to this rule is in the area of products--either hardware or software--which provide access to computers (Chapters 10 - 17). Some were designed for non-disabled computer users but provide a clear enough advantage to certain disabled computer users that we have decided to include them in the ResourceBook.

What You'll Find in This Book

Each section of this book contains products designed for different basic purposes. Part 1 covers "communication." This includes products primarily designed as aids to communication, both electronic and non-electronic. It includes aids that supplement speech or replace speech, as well as products that help with the process of non-speech communication. Some products in Parts 2 and 3 can aid in this process as well (you can find these using the "Special Indexes" described below).

Part 2 covers "control." It includes special switches--which can be used to control many of the products in all three parts of the book--plus environmental controls and calling devices. Part 3 covers "computer access." Chapters 10 - 17 list products which provide disabled people with access to computers. Chapters 18 - 22 list

special software written specifically for the needs of people with disabilities and professionals who work with them.

Be sure to check the title page of each chapter for an explanation of what types of products can be found in that chapter.

Special Indexes Help You Find Products that Meet Special Needs

Indexes 1 - 6 in the back of this book are designed to help you in your search for products that meet specific needs. These indexes cover all of the products listed in the ResourceBook. They allow you to search for products by certain characteristics. They won't necessarily provide you with one or two "perfect choices," but they can help you to narrow down your options, after which you can check the individual product descriptions to see which ones might be useful to you. You should then contact the manufacturer of the product (see Index 5 for addresses) to ask questions and to obtain detailed pricing and ordering information.

Index 1 lists products by their functions; Index 2 lists products (except switches) by their input and output features; Index 3 lists switches by their input and output features; Index 4 lists products by computer; Index 5 lists products by manufacturer, and provides manufacturer's addresses; Index 6 lists all of the products alphabetically. The index pages have been color coded to make them easier to locate.

The title page of each index provides directions on using that index. The page after the title page provides a list of the categories, or "codes," by which products are classified in that index. If you want to know what a particular function or feature code means, turn to that code in the index. There you will find a short description of what that code covers, along with a list of all the products that it applies to.

Products Are Not Indexed by Disability

Products are not indexed by disability since we believe that this is not a useful approach. While some products are clearly for someone who is visually impaired, nonvocal, physically impaired, etc., many products could be used by people with any disability, just as standard software can be useful to people with disabilities as well as the non-disabled. For these reasons we believe that emphasis should move away from etiology labels, and toward a concentration on the functions a person desires and the input and output features required to make those functions accessible to that person.

Additional Sources of Information Are Also Provided

Although information on products can be extremely useful in making decisions about assistive technologies, there will probably be other information you need as well. Appendixes A - C provide lists of other resources and contacts that you may want to pursue in order to find the right solution for a particular situation. The appendixes are divided into several lists, with titles such as "Computer Assessment and Training Programs," "Newsletters and Publications," and "Service Centers for Augmentative Communication and Computer Access." For the titles of these lists, check the Detailed Table of Contents at the beginning of this volume, or the title page of each appendix. If you locate a particularly knowledgeable resource that we do not have listed, please inform us or encourage the organization to send information to the Trace Center, so that we can cite them in future editions of the ResourceBook.

We particularly encourage you to check Appendix C (Service Providers and Organizations). In that appendix are two very important lists: the members of the Alliance for Technology Access, a nation-wide network of grassroots assistive technology groups (Appendix C-1); and all of the state programs funded under the federal Technology-Related Assistance for Persons with Disabilities Act (Appendix C-7). These lists can help you get in contact with the people in your immediate area who are most familiar with assistive technology and resources for obtaining it.

Appendix D is a glossary of special vocabulary used in product descriptions. In some cases a definition represents universal usage in the field; in other cases it is provided to clarify the use of a term in this book. The Glossary is not intended to be a comprehensive one for the field, only a useful adjunct to the product descriptions in this ResourceBook. Like the indexes, Appendixes A-D are also color coded (in two other colors) to make them easy to locate.

A Caution: We Make No Endorsements

The information contained in product entries is not evaluative, and inclusion in these books does not imply recommendation or endorsement. We have made every effort to make the entries consistent and informative. But because we are not able to use every product ourselves, a description includes only what the product is designed to do, not how effectively the product does it. The product descriptions have been written based upon information provided by the manufacturers.

This Volume Is One Part of Your Complete Search for Answers

Remember, no product will work for you unless it is not only selected properly but implemented successfully. If you do not have a lot of experience with the technology, be sure to seek out as many people to help you as you can find. Besides resources such as those listed in Appendix C ("Service Providers and Organizations"), you may wish to contact vocational rehabilitation agencies, local school systems, hospitals, and private rehabilitation firms to determine if they have the necessary background and expertise in the areas of technology that you are interested in. If you explore every possible avenue your search should be rewarding.

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Chapter 3: Training and Communication Initiation Aids 19
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Chapter 1

Speech Aids

This chapter includes prosthetic and orthotic oral speech systems. Basically, these are devices which make oral speech possible for a person for whom oral speech would otherwise be difficult, impossible, or hard to understand. These should not be confused with communication aids, which supplement or replace oral speech with some other mode of communication, such as pointing to pictures or typing on a portable computer.

Devices that fit in the category of speech aids include: artificial larynges, speech adaptations for tracheostomies, speech clarifiers, and speech amplifiers (including speech amplifiers in telephone handsets). Hearing aids and telephone amplifiers for hearing impaired people are not included in this ResourceBook.

The products in this chapter are listed under various "function" codes in the first cross-reference index in the back of this volume. Related function codes include: Artificial Larynx (AL), Voice Amplifier (VA), and Speech Aid (SA).

The following product entries appear in this chapter:

ADDvox II System, *3*
Amplified Transmitter Handsets, *3*
Cooper-Rand Electronic Speech Aid, *3*
Edinburgh Masker, *4*
Electronic Artificial Larynx, *4*
Electronic Speech Clarifiers, *4*
Handset for Speech Amplification, *5*
Neovox, *5*
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Rand Voice Amplifier, *6*
SERVOX Inton, *6*
Speechmaker, *7*
SPKR, *7*
Tokyo Artificial Larynx, *7*
Voicette, *8*

Product Name: ADDvox II System
Vendor: Stanton Magnetics
Size: 2.75" x 4.75" x 1"
Weight: 7 oz.
Power Source: 1 "AA" battery
Cost: $299.00 - $370.00

The ADDvox II is a speech enhancement system for those who have difficulty projecting their voice. The amplifier speaker box is available with either a headband or neckband microphone. The Addox system consists of an amplifier speaker box, extension cable, neck or headband microphone, four Ni-Cad batteries, and a recharger adaptor.

No Photograph Available

Product Name: Amplified Transmitter Handsets
Vendor: Walker Equipment Corporation
Size: 8" long
Weight: 1 lb.
Power Source:
Cost: $45.00

Amplified Transmitter Handsets are handsets that connect to a standard telephone and provide amplification for outgoing speech. Gain is adjustable from 0 to +18 dB with a rotary control located on the handle. These handsets plug in with a standard modular jack, and can be connected in place of standard phone handsets.

Product Name: Cooper-Rand Electronic Speech Aid
Vendor: Luminaud, Inc.
Size: 2.63" x 4.13" x 1.5"
Weight: 7 oz.
Power Source: 15V or 9V battery
Cost: $295.00 - $465.00

Cooper-Rand Electronic Speech Aid is an artificial larynx. The user inserts a tube projecting from the tone generator into the mouth; a tone from this tube supplies the individual's missing or insufficient vocal tone. The tone can be turned on and off and pitch can be adjusted. A puff switch control is also available.

Product Name: Edinburgh Masker

Vendor: Foundation For Fluency, Inc.

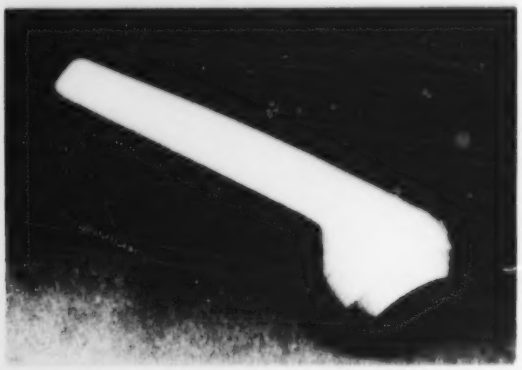
Size: 3" x 4" x 1"

Weight: 6 oz.

Power Source: 9V battery

Cost: $37.00

Edinburgh Masker is a device designed to alleviate stuttering. The user wears a pair of earmolds that transmit a loud, low frequency that changes with the user's intonation. This is designed to prevent the user from hearing his own voice. The sound generator can be turned on and off manually or automatically.



Product Name: Electronic Artificial Larynx

Vendor: AT & T Accessible Communication Products Center

Size: 6" x 2"

Weight: 4 oz.

Power Source: 9V battery

Cost: $229.99

The Electronic Artificial Larynx is a speaking aid for individuals who have lost the use of their larynx. The tip of the cylindrical device is pressed against the throat. Vibrations transmitted to the throat substitute for the lost vocal tone, and the user forms words with the mouth in normal fashion. The Electronic Artificial Larynx produces electronic vibrations that roughly simulate the natural vibrations of the human voice.

Product Name: Electronic Speech Clarifiers

Vendor: National Institute for Rehabilitation Engineering

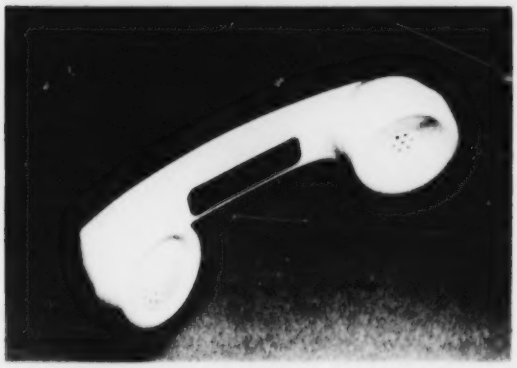
Size:

Weight:

Power Source:

Cost: $750.00 - $950.00

Electronic Speech Clarifiers can be used to enhance the quality and intelligibility of an individual's speech. The user's voice is filtered through the speech clarifier, and the result is spoken by the machine. Three types of clarifiers are available: worn in the ear, mounted on eyeglass frames, or worn on the belt. Each speech clarifier is custom-made based on the user's needs.



Product Name: Handset for Speech Amplification
Vendor: AT & T SourceBook
Size: 8" long
Weight: 1 lb.
Power Source:
Cost: $95.00

The Handset for Speech Amplification is identical to a normal telephone handset, but offers a volume adjustment that can amplify a user's voice up to 30%. A small dial on the handset is used to adjust the volume. The handset has a standard modulator phone connection and can be connected in place of the standard phone handset. Contact manufacturer for further information on connectors and price.

Product Name: Neovox
Vendor: Aurex Corporation
Size:
Weight: 12 oz.
Power Source: Rechargeable battery
Cost: $402.00

The user holds the Neovox, an artificial larynx, and presses the tip against the throat. Vibrations transmitted to the throat substitute for the lost vocal tone, and the user forms words in the normal fashion. Also available are male and female tones, and an "intra-oral conversion kit" (allows the vocal tone to be transmitted through a tube in the mouth rather than to the throat).

Product Name: Park Speech Amplifier
Vendor: Park Surgical Company, Inc.
Size: 4" x 2.25" x 1.14"
Weight: 4 oz.
Power Source:
Cost: $525.00

Park Speech Amplifier is a small battery-powered portable amplifier. Connected to the amplifier are a microphone that the user speaks into and a speaker that broadcasts the amplified voice. Three microphone models are available: hand-held ($270.00), throat ($270.00) or headset ($320.00). The unit uses two rechargeable batteries and includes a one year warranty.

Product Name: Passy-Muir Speaking Valves
Vendor: Passy-Muir, Inc.
Size: 1" x 1"
Weight:
Power Source:
Cost: $75.00 per set

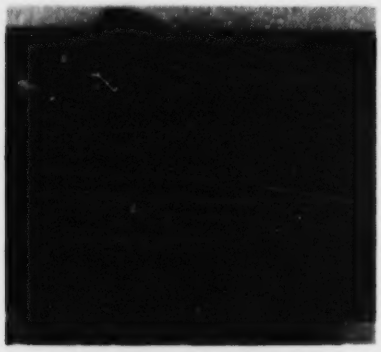
Passy-Muir Speaking Valves are one-way valves that attach to a tracheostomy tube and allow the inflow and outflow of air so that the user can speak without manual occlusion. The Passy-Muir fits most standard permanent or disposable trach tubes. A set of two valves are included in the price.

Product Name: Rand Voice Amplifier
Vendor: Luminaud, Inc.
Size: 2.63" x 4.13" x 1.04"
Weight: 10.5 oz.
Power Source: 9V battery
Cost: $160.00

Rand Voice Amplifier is a small, portable voice amplifier that can be clipped on to a person's pocket or belt. A small unidirectional microphone is held to the lips; the voice comes out amplified through the main unit amplifier.

Product Name: SERVOX Inton
Vendor: Siemens Hearing Instruments, Inc.
Size: 4.7" x 1.4" diam.
Weight: 6.5 oz.
Power Source: Rechargeable battery
Cost: $549.00 - $649.00

SERVOX Inton is an enhanced version of the SERVOX artificial larynx. The user holds the SERVOX Inton's vibrating membrane up to the throat, a tone is transmitted through the vocal tract, and the user articulates it into speech. The SERVOX Inton features soft-touch buttons, volume control and intonation capability. An oral connector is available for intra-oral use (extra).



Product Name: Speechmaker
Vendor: Williams Sound Corporation
Size: 5.5" x 4.5" x 1.88" (speaker)
Weight: 17.5 oz.
Power Source: Rechargeable battery
Cost: $299.00

The Speechmaker is a body-worn personal speech amplifier designed to increase the volume of a weak or esophageal voice. The system consists of a microphone that can be mounted on either side of the talker's mouth, a compact amplifier, and a loudspeaker to reduce feedback. The body speaker can be worn at various positions on the body, mounted on a wheelchair, or placed on a flat surface.

Product Name: SPKR
Vendor: Dean Rosecrans
Size:
Weight:
Power Source: Rechargeable batteries
Cost: $498.00

SPKR is a speaking aid for individuals who have lost the use of their larynxs. This artificial larynx is equipped with a dual tone rocker switch. SPKR comes with an oral connector, two rechargeable battery, and dual battery charger.

Product Name: Tokyo Artificial Larynx
Vendor: Artificial Speech Aids
Size:
Weight: 4.8 oz.
Power Source: None
Cost: $78.50

Tokyo Speech Aid is a breath-powered artificial larynx designed for laryngectomees. A cup the size of one and one-half inches fits over the stoma and conducts the lung wind to a unit containing a rubber diaphragm. This diaphragm vibrates, generating a tone which is then conducted through a tube into the user's mouth. The user articulates this tone into speech with the normal movements of the mouth and tongue.

Product Name: Voicette

Vendor: Luminaud, Inc.

Size: 6.5" x 6.5" x 3"

Weight: 2 lbs.

Power Source: Rechargeable batteries

Cost: $155.00

Voicette is a small, portable, battery-operated audio amplifier. The user speaks into a microphone, and the voice comes out amplified through Voicette's speaker/amplifier. Voicette comes with a carrying case. Voicette can be powered by a rechargeable battery pack that can be charged on 120V AC (250V/50 cycle charger also available).

Chapter 2

Pointing and Typing Aids

This chapter includes devices whose purpose is to facilitate an individual's ability to point to objects or press keys. Headsticks, mouthsticks, and lightbeam pointers are all included. There are other devices which are useful for pointing and typing which have not been included, however, such as hand splints or typing sticks. If you are interested in sources for these types of devices, see Appendix A-2 for a list of manufacturers and distributors of "Pointing, Typing, and Communication Accessories." Pointing devices can also be customized or fabricated, so don't think that the commercially available devices in this chapter are your only options.

If a pointer is only meant to work with one specific model or brand of communication aid, it will not be listed in this chapter. Instead it will appear as part of the decription of the device that it works with. If you want to find all of the devices in the ResourceBook which are operated by headpointing, look in Index 2 (Index by Input/Output Feature), under the heading "Input Type: Head Controlled."

Other mechanical devices that can help in using keyboards or computers are keyguards and disk loaders. See Chapter 10 (Modifications for Standard Keyboards) and Chapter 17 (Other Software and Hardware Adaptations) for these devices. Electric page turners and telephone holders and latches are found in Chapter 8, Environmental Controls. A related function found in Index 1 (Index by Function) is Book/Paper Handling (BP).

The following product entries appear in this chapter:

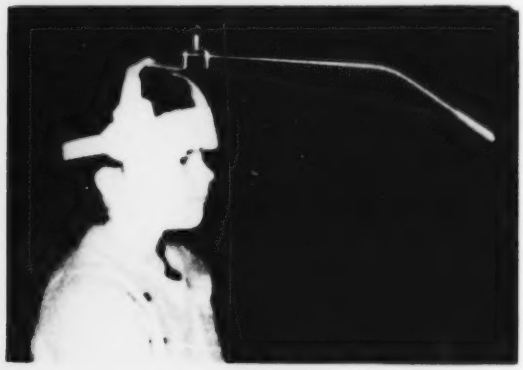
Adjustable Head Pointer, *11*
Adjustable Head Pointer, *11*
Adjustable Head Pointer PC 7590, *11*
Arrow Mouthstick Kit, *12*
Clear-View Head Pointer, *12*
F73216-0136 Page Turner and Cuff, *12*
H71830 Adjustable Head Pointer, *13*
H73217 Mouth Held Page Turners, *13*
Handpointers, *13*
Head Pointers: AD-1, AD-2, AD-3, *14*
Heyer-Abadie Modular Mouthstick, *14*
Hybrid Electronic Pointers, *14*
Light Beam Indicator, *15*
Light Pointer, *15*
Light Pointer, *15*
Mouthsticks, *16*
RedLite, *16*
Vacuum Wand, *16*
Viewpoint Optical Indicator, *17*

The following products from other chapters can also be used as Pointing or Typing Aids:

Media Handling Products, *475*

Product Name: Adjustable Head Pointer
Vendor: Cleo, Inc.
Size:
Weight: 1 lb.
Power Source: None
Cost: $32.95

This head pointer has a foam-lined aluminum frame that can be bent to accommodate various size heads. The frame is held in place by an elastic headband and chin strap, both of which have adjustable hook-and-loop fasteners. Pointer length is also adjustable with velcro straps.



Product Name: Adjustable Head Pointer
Vendor: Fred Sammons, Inc.
Size: 18.5" long
Weight: 1 lb.
Power Source: None
Cost: $32.95 - $33.25

The Adjustable Head Pointer is an aluminum pointer that projects from above the forehead. Size and shape of the frame, as well as the length and angle of the pointing rod are adjustable. The elastic head band and chin strap attach with hook-and-loop material. The Adjustable Head Pointer is $27.95 for health care professionals and $31.25 for users.

Product Name: Adjustable Head Pointer PC 7590
Vendor: J. A. Preston Corporation
Size: 19" long
Weight: 1.5 lbs.
Power Source: None
Cost: $90.00

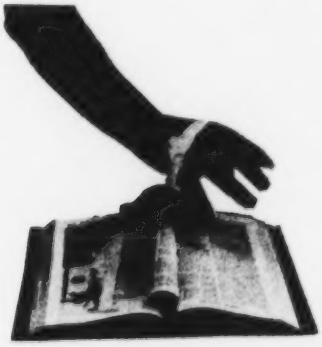
Adjustable Head Pointer is a pointer that fastens on the head with a plastic head band, and projects out over the user's forehead. The head band and the length and angle of the pointer rod are all adjustable.

Product Name: Arrow Mouthstick Kit
Vendor: Fred Sammons, Inc.
Size: 29.5" long
Weight:
Power Source:
Cost: $89.50

Arrow Mouthstick Kit includes all the materials necessary for making mouthsticks, except the mouthpiece. The kit includes two shafts, four tips, connectors, a clamp-on docking station, a saw blade and an Allen wrench. The kit is only available for sale to health care professionals.

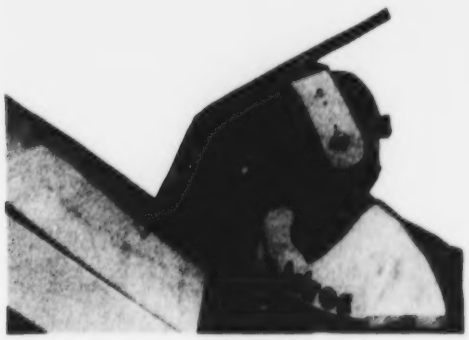
Product Name: Clear-View Head Pointer
Vendor: Fred Sammons, Inc.
Size: 24" long
Weight: 2 lbs.
Power Source: None
Cost: $81.95 - $91.95

Clear-View Head Pointer is a headpointer that projects out at jaw level. The design of extending the pointer from jaw level rather than forehead level places the pointer in closer proximity to the object being selected, and does not interrupt the user's field of vision during use. Clear-View Head Pointer is adjustable six ways. The pointer is $79.95 for health care professionals and $89.95 for users.



Product Name: F73216-0136 Page Turner and Cuff
Vendor: Maddak, Inc.
Size:
Weight:
Power Source:
Cost: $9.90

Page Turner and Cuff consists of a lightweight cuff attached to a wooden dowel that has a rubber friction tip. The cuff fits on the user's hand by means of a D-ring and Velcro closure.



Product Name: H71830 Adjustable Head Pointer
Vendor: Maddak, Inc.
Size: 19" long
Weight: 8 oz.
Power Source: None
Cost: $79.50

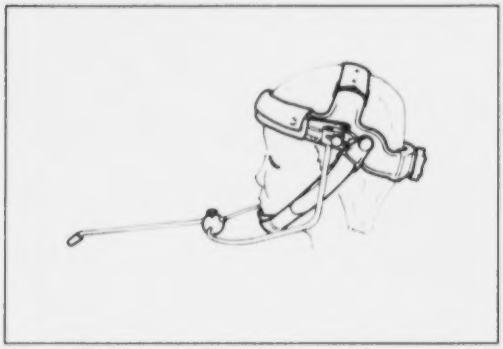
This headpointer is held on the head with plastic bands adjustable to the size of the user's head. The pointer rod, which projects from the top of the head, has adjustable length and angle and a pencil holder at the tip.

Product Name: H73217 Mouth Held Page Turners
Vendor: Maddak, Inc.
Size: 12" long
Weight: 0.75 oz.
Power Source: None
Cost: $19.89 - $21.75

Mouth Held Page Turners are mouthsticks equipped with rubber tips designed for gripping pages. Mouthpieces are heart shaped, flat, and rubber coated; shafts are plastic. Two widths are available: 1.5" and 2". A stand that can be used with either of the models is available for $9.90.

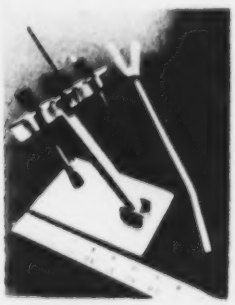
Product Name: Handpointers
Vendor: Various (Generic Product)
Size:
Weight:
Power Source:
Cost: Varies

Handpointers provide a method for focusing uncoordinated movements to better indicate and manipulate targets, and can assist in pointing accuracy by allowing the user to stabilize movement. Some pointers, attached to wrist splints, are available from rehabilitation equipment companies; others are custom fabricated by therapists or orthotists.



Product Name: Head Pointers: AD-1, AD-2, AD-3
Vendor: Zygo Industries, Inc.
Size: 10" long
Weight: 8 oz.
Power Source: None
Cost: $170.00

These Head Pointers use the chin rather than the forehead as a point of reference for the pointer. The Standard Pointer (model AD-1) may be individually fitted to head sizes ranging from 20 to 25 inches in circumference. "Tiny Tot" (AD-2) and hook-and-loop closure (AD-3) models are also available.



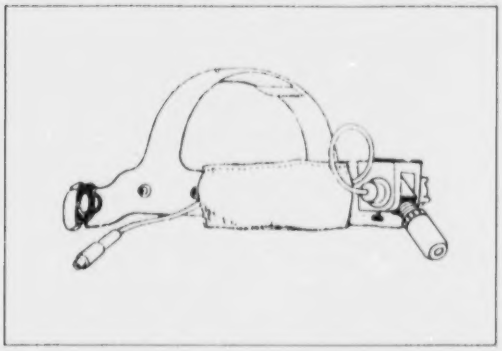
Product Name: Heyer-Abadie Modular Mouthstick
Vendor: Extensions for Independence
Size: See text
Weight: 2.2 oz.
Power Source: None
Cost: $99.95 - $415.00

Heyer-Abadie Modular Mouthstick is a mouthstick system with a V-shaped mouthpiece that is gripped with the molars, thus leaving the tongue free. The mouthstick is the basic element to which special purpose telescoping "bodies" are attached. Several types of bodies and two standard sizes of mouthsticks are available. Customized mouthsticks are also available.

No Photograph Available

Product Name: Hybrid Electronic Pointers
Vendor: Various (Generic Product)
Size:
Weight:
Power Source:
Cost: Varies

Some electronic pointers emit light, while others are actually receptive devices that respond to an indicating point on a computer monitor or LED display. When receptive pointers are used with LED displays, they occasionally require more continuous feedback than the LED array. This feedback can be provided with a light emitting pointer used in conjunction with a receptive pointer.



Product Name: Light Beam Indicator

Vendor: Jim's Instrument Manufacturing, Inc.

Size: 22" long

Weight: 11.5 oz.

Power Source: 3 "C" batteries

Cost: $175.00 - $425.00

Light Beam Indicator is a head-mounted pointing system using both a pointing rod and an adjustable padded nylon headset with a light pointer. The rod projects out over the forehead and downward. The light pointer is positioned over the forehead and projects a concentrated light beam. Three models are available: rod and headset; rod, headset, headstick, and optics; and headstick only.

Product Name: Light Pointer

Vendor: Adaptive Communication Systems Technologies

Size: 5.5" x 1.3" diam.

Weight: 3 oz.

Power Source: Rechargeable battery

Cost: $435.00

Light Pointer is a cylindrical device that projects a red light spot. The Light Pointer may be attached to the part of the body with which the user wants to point (head, etc.). The user then indicates selections by directing the red dot of light at the desired selection. The Light Pointer may be used on such systems as communication boards, or may serve as direct input to the ScanPAC or EvalPAC communication aids.

Product Name: Light Pointer

Vendor: Burkhart, Linda J.

Size:

Weight:

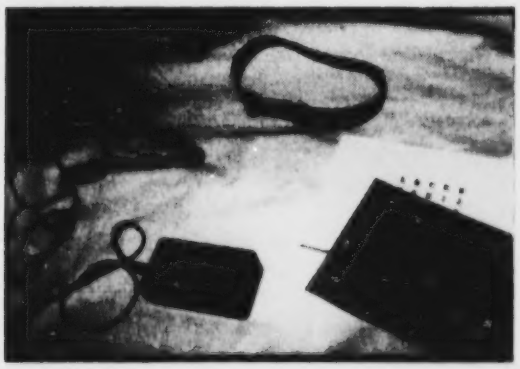
Power Source:

Cost: $28.95

Light Pointer is a device that projects a spot of light. The pointer is designed to be mounted on the user's head and pointed toward objects. The Light Pointer can also be used to activate the Light Activated Switch (also available from Linda Burkhart).

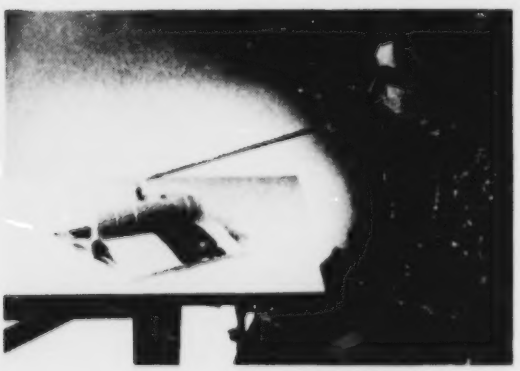
Product Name: Mouthsticks
Vendor: Fred Sammons, Inc.
Size: 10" - 20" long
Weight: 1 - 1.5 oz.
Power Source: None
Cost: $26.95 - $61.25

The three models of mouthsticks all have a V-shaped mouthpiece that allows tongue movement. The Wand Mouthstick has a rubber tip and can be used for typing or page turning. Clamp-On Mouthstick holds a pencil, pen, or brush. The Vertical Pincher Mouthstick has a tongue-controlled pincher at the end which can be used to insert paper into a typewriter. Contact manufacturer for pricing information.



Product Name: RedLite
Vendor: See A Need
Size:
Weight:
Power Source: 2 "C" batteries
Cost: $90.00

RedLite is an optical pointer which produces a focused red target pattern. The pointer can project its pattern on a wall or object within three feet of the user. RedLite consists of the pointer, elastic headband for mounting the light, and a battery pack with cable.



Product Name: Vacuum Wand
Vendor: Fred Sammons, Inc.
Size: 18" long
Weight:
Power Source:
Cost: $25.95 - $29.95

Vacuum Wand is a mouthstick with a suction cup tip. The aluminum shaft can be cut to the desired length. Two interchangeable tips are provided.

The price is $25.95 for health care professionals and $29.95 for users.

Product Name: Viewpoint Optical Indicator

Vendor: Prentke Romich Company

Size: 2.75" x 1.75"

Weight: 3.5 oz.

Power Source: Rechargeable batteries

Cost: $370.00

Viewpoint Optical Indicator is a small lightbeam projector that mounts on the user's head with a headband. The user can point to things (such as selections on a communication board) by directing the spot of light from the Viewpoint Optical Indicator toward the desired place. The spot of light is approximately 0.63" in diameter at a distance of 2 feet. The position and angle of the pointer are adjustable.

Chapter 3

Training and Communication Initiation Aids

This chapter includes all electric and electronic devices which can be used to initiate communication or train individuals in the use of switches, selection techniques, and other augmentative communication skills. A variety of simple devices for training and recording switch operation are listed. These include switch activation timers and counters, switch latches, and switch adapters for battery-operated toys. Electronic communication aids with fewer than 32 selections are also included in this chapter, because of their limited maximum vocabulary. Rotary scanners (choices arranged in a circle) and linear scanners (choices arranged in a single row) are also included. More sophisticated aids are found in Chapter 5.

Products in this chapter are cross-referenced under a number of categories in Index 1 (Index by Function). Functions related to items in this chapter include: Conversation/Interaction (CI), Environmental Control (EC), and Assessment (AS). Appendix B includes a resource listing of information on Adaptive Toys and Toy Modifications.

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Ability Switch Tester, *21*
AC Adaptor FRE-103C, *22*
Active Stimulation Programmer, *22*
Activity Board, *23*
AND Module, *23*
And Or Box, *24*
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Battery Adapter, *25*
Battery Device Adapter, *25*
Battery Interface, *26*
Battery Interrupter, *26*
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VoiceMate, SwitchMate, ScanMate, *58*
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Communication Programs, *727*
Computer Aids for the Blind (40 programs), *727*
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Creature Antics and Creature Capers, *583*
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Product Name: 90-A Timer and CTR-1 Counter

Vendor: Handicapped Children's Technological Services, Inc.

Size: See text

Weight:

Power Source: 9V battery

Connector Type: 1/8" mini-phone plug

Cost: $85.95 - $109.95

90-A Timer (formerly 81-1A Timer) and Counter are both devices designed to teach behavioral skills in a classroom or clinical setting. The Timer is a device that accepts input from one switch to control the operation of two low power devices (one of which can be the Counter). The Timer can be set to control the length of time the electrical devices operate for each switch closure (from 0-90 seconds), and comes with latching and reverse options (activating a switch turns the controlled device off instead of on). The Counter is a device which, used in conjunction with the Timer, counts and displays the number of responses (switch closures) and the number of reinforcements. The Counter has two independent digital counters that can be used in any situation, usually one for reinforcements and one for other variables.

Size of Timer is 2.63" x 4" x 4.75" and size of Counter is 2.88" x 6" x 5". The Timer, which runs on a 9V battery, is $85.95; the Counter is $109.95.

Product Name: Ability Switch Tester

Vendor: TASH, Inc.

Size: 6" x 3.5" x 1.5"

Weight: 8 oz.

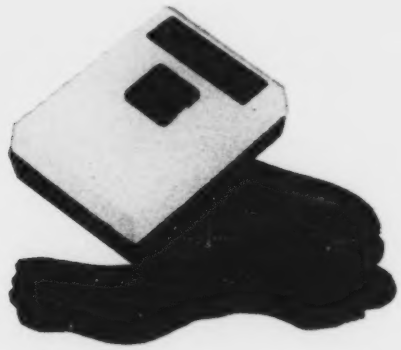
Power Source: 9V battery

Connector Type:

Cost: $200.00

Ability Switch Tester is a device that provides visual and auditory indication when a person activates a switch. The switch is plugged into the tester, and switch closure is indicated by a light and a tone. The auditory feedback can be switched off.

Ability Switch Tester has three different kinds of jacks, for single, dual, and multiple switches. Contact manufacturer about compatibility with a particular switch.



Product Name: AC Adaptor FRE-103C

Vendor: Creative Switch Industries

Size: 4.38" x 3.25" x 1.5"

Weight: 8 oz.

Power Source: 120V AC

Connector Type: Mini-phone plug

Cost: $75.50

AC Adaptor FRE-103 is a device that allows a single switch to be used to control an electrical appliance. This adaptor allows operation of any 110 volt appliance up to 1200 watts. The unit has a miniature input jack allowing use by any type of switch. The adaptor has a six foot cord.

Product Name: Active Stimulation Programmer

Vendor: Handicapped Children's Technological Services, Inc.

Size: 5" x 2.9" x 6"

Weight: 18 oz.

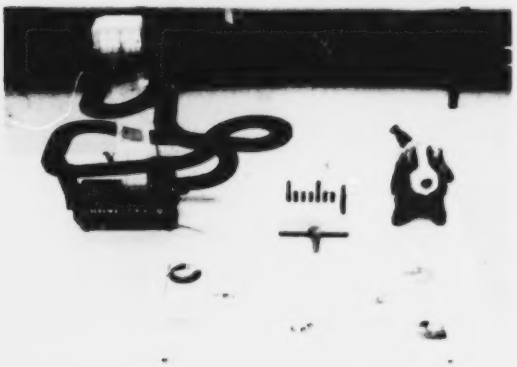
Power Source: 120V AC

Connector Type: 1/8" mini-phone plug

Cost: $119.95 - $259.95

Active Stimulation Programmer is a device that allows input from a switch to control the operation of a battery operated or electrical device. The programmer controls the duration of operation of the triggered device for each switch closure (1 to 90 seconds).

Three versions are available. PGR-2 is $119.95. PGR-3, which has a built-in switch latch, is $169.95. Active Stimulation Programmer, which has counters for collecting data on the number of switch closures and reinforcements, is $259.95.



Product Name: Activity Board

Vendor: EKEG Electronics Company LTD

Size: 12" x 24" x 1"

Weight: 5 lbs.

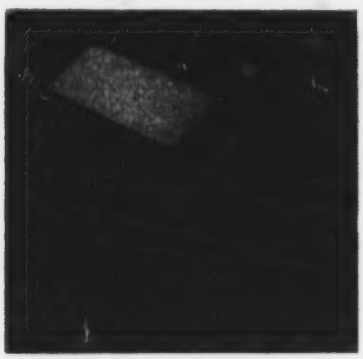
Power Source:

Connector Type:

Cost: $375.00

Activity Board is a communication training aid consisting of 21 three-inch squares in a seven by three array. The array is covered by a sheet of clear plastic that may be removed so that pictures, symbols, letters, numbers, colors, or shapes may be placed in the grid squares. Selections are made by pressing on a square. Multiple overlays may be constructed for a variety of users. The 21 squares on the Activity Board may be grouped to represent larger activation areas if desired. The Activity Board may be used to operate a battery-operated toy or device by connecting it to a jack on the device's control box corresponding to the proper square on the board.

The Activity Board may be used to operate any battery-operated toy or device, but should not be used to control any device powered by 110V line current. A forty-square (ten by four array) version of the Activity Board is also available. Contact the manufacturer for details. One toy is included in the price of the board. A cable that allows any battery-operated device to be connected to the board is available for $25.00.



Product Name: AND Module

Vendor: Toys for Special Children, Inc.

Size:

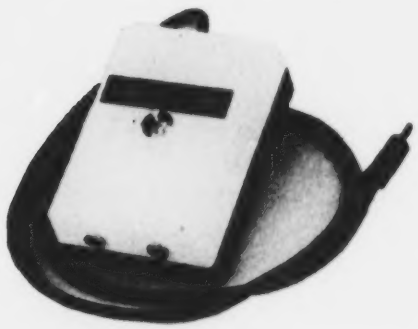
Weight:

Power Source:

Connector Type:

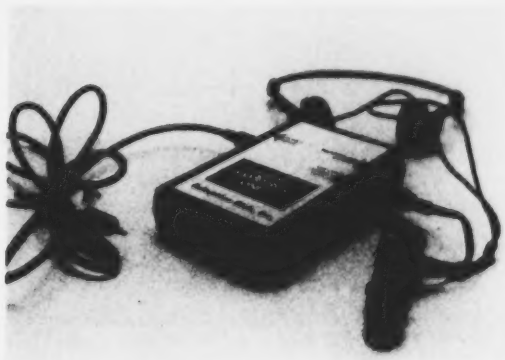
Cost: $21.00

The AND Module connects between two switches and a toy or device. Both switches must be activated simultaneously for the device to operate. One user may activate both switches, or two users may activate the switches cooperatively.



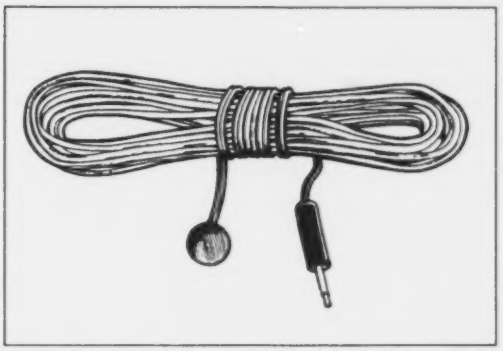
Product Name: And Or Box
Vendor: Creative Switch Industries
Size: 2.5" x 3.75" x 1.75"
Weight: 4 oz.
Power Source: None
Connector Type: Mini-phone plug
Cost: $37.50

And Or Box is a device that connects two switches either in series or in parallel, and in turn connects to a switch-operated device. When the switches are in parallel, activating either one will turn on the switch-operated device. In series, both switches need to be activated at the same time. The two modes are selected using a switch on top of the box.



Product Name: Audio Control Unit Model 112
Vendor: Tetra
Size: 5.5" x 3.5" x 1.25"
Weight: 8 oz.
Power Source: 9V battery
Connector Type:
Cost: $80.00

Audio Control Unit Model 112 is a device that allows a single switch to control the audio signal going to earphones or a speaker. The audio signal source coming from such items as a radio or tape player is connected to the input jack, and the output jack is connected to speakers or a set of headphones. The sound is heard only when the switch is activated.

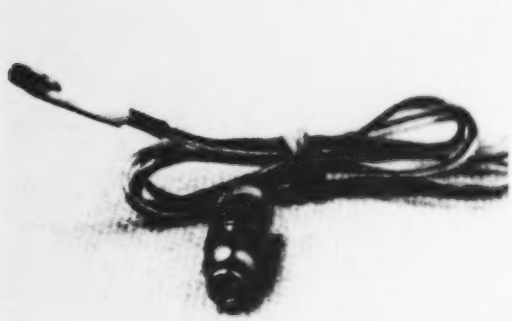


Product Name: Battery Adapter
Vendor: Don Johnston Developmental Equipment
Size:
Weight:
Power Source:
Connector Type: 1/8" mini-phone plug
Cost: $11.50

Battery Adapter is an interface for any battery operated toy or device that allows it to be operated using a single switch. A small metal plate at one end goes between a battery and the battery clip, or is inserted between two batteries in a device. A switch plugs into the jack at the other end of the cable. When the switch is plugged into the jack, the user activates the switch, and the device is turned on.

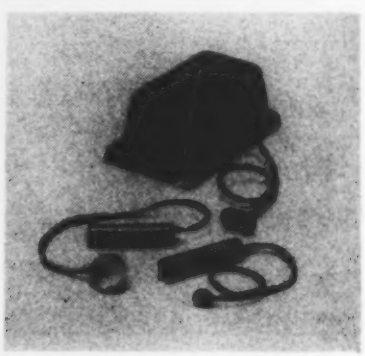
Product Name: Battery Device Adapter
Vendor: AbleNet, Inc.
Size: 12"
Weight: 1 oz.
Power Source:
Connector Type: Mini-phone plug
Cost: $7.50

The Battery Device Adapter is a cable which connects to and adapts battery-operated devices for external switch control. The cable is available in two sizes for use with a wide variety of battery-operated toys and devices powered by "AA," "C," or "D" batteries. The Battery Device Adapter consists of a circular, flexible copper disc and thin lead wire. A switch jack permits connection to Ablenet's Big Red switch (see entry) or other compatible switches.



Product Name: Battery Interface
Vendor: Prentke Romich Company
Size:
Weight: 2 oz.
Power Source:
Connector Type: Mini-phone plug
Cost: $40.00

Battery Interface allows battery operated toys or devices to be turned on using most single switches (switch not included). The interface is a cable with a small metal plate at one end and a jack for a single switch at the other. The plate is inserted between two batteries in a battery-operated device (such as a toy), or between a battery and a battery contact. When a switch is plugged into the jack, the switch will turn the battery-operated device on and off.



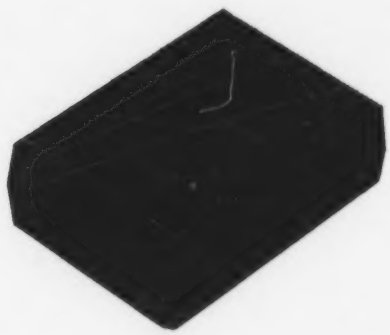
Product Name: Battery Interrupter
Vendor: Toys for Special Children, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: $9.00 - $13.00

Battery Interrupter (formerly Battery Adapter) is a cable that fits between any battery-operated toy or device and a switch, permitting the toy or device to be operated by switch. Two versions of the Battery Interrupter are available: one to be used with a device powered by "A," "C," or "D" batteries ($9.00), and one for 9V batteries ($13.00).

Product Name: Battery Interrupters
Vendor: Creative Switch Industries
Size:
Weight:
Power Source:
Connector Type:
Cost: $7.75 - $8.75

Battery Interrupters are devices which allow battery-operated devices to be controlled using an ability switch. The interrupter consists of a cable that connects the switch to the device to be controlled. When the interrupter is in place, the battery connection is interrupted; a switch may then be used to restore the electrical circuit and control the device.

Three models are available: Model no. 250100 ($7.75)for "AA" batteries, model no. 250140 ($8.25) for "C" or "D" batteries, and model no. 250130 ($8.75) for 9V batteries.



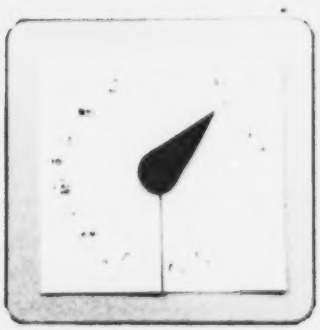
Product Name: Chime Box
Vendor: Creative Switch Industries
Size:
Weight:
Power Source: 9V battery
Connector Type:
Cost: $49.00

The Chime Box is a device that produces a chiming sound on switch activation. When a switch is connected to the miniature jack, a "ding-dong" sound is produced as long as the switch is activated. The Chime Box is powered by a 9-volt battery (included).

Product Name: Clock Communicator
Vendor: Toys for Special Children, Inc.
Size:
Weight:
Power Source: 1 "D" battery
Connector Type: 1/4" or 1/8" phone plug
Cost: $61.00 - $76.00

Clock Communicator is a communication training aid with a dial face. Activation of a single switch causes a pointer to revolve. The user releases the switch when the desired position is reached. Any words, pictures, or symbols may be placed on the face of the Clock Communicator to be selected by the user. The speed of the pointer's movement is adjustable.

A musical version of the Clock Communicator, with a built-in electronic music box that plays while the pointer is moving, is also available.



Product Name: Comboard
Vendor: TASH, Inc.
Size: 20" x 20" x 2.5"
Weight: 5 lbs.
Power Source: 4 "C" batteries
Connector Type: 9- or 5-pin DIN, 3.5 mm phone
Cost: $240.00

Comboard is a scanning communication training device with a dial face. The user activates a single switch to move the pointer clockwise, two single switches to move the pointer clockwise or counterclockwise, or a dual switch to move the pointer either clockwise or counterclockwise. The speed of the pointer movement is adjustable. Comboard comes with adhesive labels for over 100 basic needs, letters, numbers, and pictures.

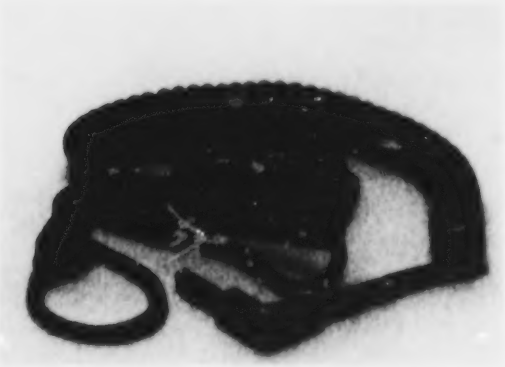
Product Name: Communiclock
Vendor: Crestwood Company
Size: 15.75" x 14.25" x 8"
Weight: 4.75 lbs.
Power Source: Battery
Connector Type:
Cost: $199.95

Communiclock is a scanning communication training device operated by either a single button on the device or an external switch. As long as the switch is closed, the pointer on Communiclock turns clockwise. The user releases the control switch to stop the pointer at the desired selection. Six blank overlays are provided, as well as 246 stickers including: 96 pictures from the Talking Pictures Board (see entry), 50 frequently used words, 50 numerals and alphabet, and 50 blanks.

Product Name: Compartmentalized Communicator
Vendor: Toys for Special Children, Inc.
Size:
Weight:
Power Source: 4 "C" batteries
Connector Type: See text
Cost: $71.00 - $131.00

Compartmentalized Communicator is a direct selection communication training aid that consists of a row of switches, each in its own compartment. Each switch produces a distinct sound when pressed.

Compartmentalized Communicator is available with two to five sections, and with sounds only or sounds and lights. Switches (extra) allow the clinician to turn off individual compartments if desired. Contact manufacturer for more information on switches and connector types.



Product Name: Computer Activated Environmental Control Unit

Vendor: Toys for Special Children, Inc.

Size: 2" x 1" x 2"

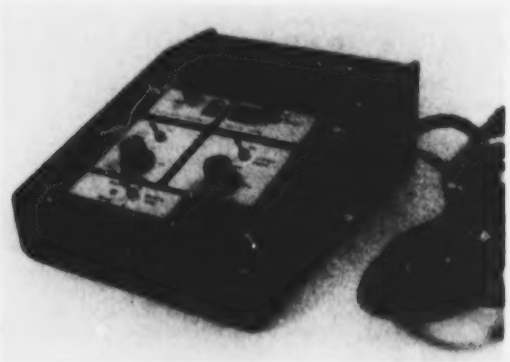
Weight:

Power Source: 120V AC

Connector Type: 1/4" or 1/8" phone plug

Cost: $41.00

Environmental Control Unit is a device that connects a computer to a single switch operated device such as a toy. The switch operated device can be computer-activated when used with the proper software (included).



Product Name: Control Unit Model 102

Vendor: Tetra

Size: 8.5" x 6.5" x 3.5"

Weight: 2 lbs.

Power Source: 120V AC

Connector Type: Mini-phone plug

Cost: $235.00

Control Unit Model 102 (internally redesigned from Model 101) is a training device which adjusts the operation of a switch-controlled appliance. A single switch (low power) and the desired appliance (120 volts AC, or battery operated using an adapter (included)) are both connected to the Control Unit. The user can control how long the switch must be activated before the appliance will come on (from one second to ten minutes), as well as how long the appliance will remain on after the switch is activated (also adjustable from one second to ten minutes). The Control Unit Model 102 can also act as a switch inverter, so that activating the switch will cause the appliance to turn off rather than on. The Model 102 also records the number of times a switch was activated during a particular session. Options are set using dials and toggle switches. The data on switch activations appears on a built-in LED display.

Contact the manufacturer about maximum power ratings for appliances connected to the Model 102.

Product Name: Control Unit Model 201

Vendor: Tetra

Size: 8.5" x 10" x 3"

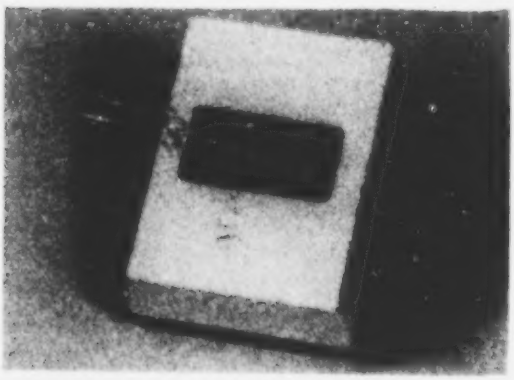
Weight: 2.5 lbs.

Power Source: 120V AC

Connector Type: Mini-phone plug

Cost: $300.00

Control Unit Model 201 is a device that controls the way in which a switch activates high or low power electrical appliances. A single (low power) switch is plugged into the Control Unit. Appliances that can be controlled by the Unit include low power devices (such as modified battery-powered toys) or appliances that run on household power (120 volts AC). The Control Unit allows the user to set: the amount of time the appliance is turned on for any given switch activation (from 1 second to 24 hours); the amount of time the switch must be activated before the appliance will turn on (from 1 second to 24 hours); and how many times the switch must be activated before the appliance will turn on. The Control Unit can also reverse the on/off action of the switch. The user programs the Control Unit using a small keyboard on the face of the unit. Control parameters appear on an LCD display. The Control Unit also stores data on switch activation. Data are recorded on: the number of times the switch was activated, how long the switch was activated, how many times the appliance was turned on, and the total length of time the appliance was on.



Product Name: Counter Box

Vendor: Creative Switch Industries

Size: 4.25" x 3.25" x 2"

Weight: 6 oz.

Power Source: See text

Connector Type: 1/8" mini-phone plug

Cost: $98.50

Counter Box is a device that counts the number of times a switch is activated. The switch is plugged into the Counter Box, and the number of activations is displayed on an LCD readout on the face of the device. A zero button allows the counter to be reset at any time. The Counter Box is powered by two "N" cells (provided) with a nominal battery life of 4 years.

Product Name: Counter Module

Vendor: Toys for Special Children, Inc.

Size:

Weight:

Power Source: 9V battery

Connector Type: 1/4" or 1/8" phone plug

Cost: $53.00

Counter Module is a device that counts the number of times a switch has been activated. The module is connected between the switch and the device activated by the switch. An electronic digital counter displays the number of activations. The Counter Module uses large (1/4") phone connectors; a version with 1/8" connectors is available on request.

Product Name: Delay Timer DT-1

Vendor: Nassau Applied Technology Resource Center

Size: 2.4" x 4.4" x 1"

Weight:

Power Source: 9V battery

Connector Type: Mini-phone plug

Cost: $115.00

The Delay Timer accepts input from any momentary switch and in turn provides variable timed output which keeps an appliance or toy on for a preset period of time after the switch is activated. The length of the activation time is adjustable from one to 60 seconds. Delay Timer may be used as a training aid for individuals using a switch for the first time.

Output may be made from Delay Timer to any unmodified toy when a battery interrupter cable is used, or to any toy or appliance modified to accept single switch input.

Product Name: Dial Scan

Vendor: Don Johnston Developmental Equipment

Size: 12" x 12"

Weight: 2.2 lbs.

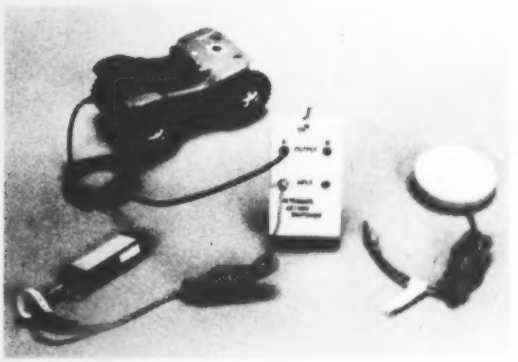
Power Source: 4 "C" batteries

Connector Type: 1/8" mini-phone plug

Cost: $195.00

Dial Scan is a rotary scanning communication training device with a dial face. A single or dual switch is used to rotate a pointer on the dial, and the user releases the switch when the proper selection is reached. Five blank overlays are provided: photos, pictures, or symbols may be placed on them to suit the user's needs. Scanning speed is adjustable. The clear face allows for interactive communication.

The Dial Scan can be used with a Switch/Latch Timer (see entry) to modify switches to operate in either a Time or Latch mode. Additional overlays (2 clear, 3 paper) are available for $12.00. A wheelchair mount system for Dial Scan is available for $95.00.



Product Name: Dual Channel Latching Switch Interface

Vendor: Hugh MacMillan Rehabilitation Centre

Size: 2.5" x 3.5" x 1.25"

Weight: 5.4 oz.

Power Source: 9V battery

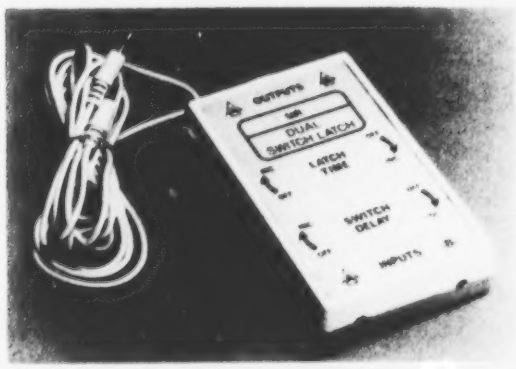
Connector Type: 3.5 mm mini-phone plug

Cost: $150.00 Canadian

The Dual Switch Latching Interface connects between single switches and a battery operated devices such as a toy, radio or tape recorder to change the operation of the switch. When connected, the Dual Switch latching interface causes the switch to operate in an on/off fashion. Two separate and independent devices may be contolled from two different switches. Each input requires a 3.5mm mini-phone plug connector. Each output requires a 3.5mm mini-phone plug connector which is then connected to the device to be controlled.

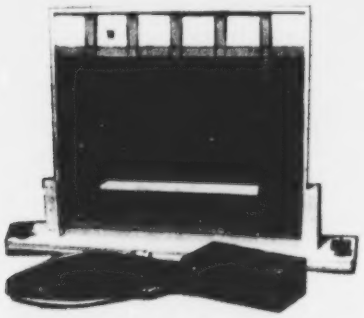
Product Name: Dual Clock Communicator
Vendor: Toys for Special Children, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: $75.00

Dual Clock Communicator is a rotary scanning communication training aid that allows objects to be used as symbols. A switch is connected to the communicator and activation of the switch causes a clock hand pointer to move. The user selects a symbol or object by stopping the hand at the desired point. The dual Clock Communicator has seven niches in which objects can be placed to serve as communication symbols. The clock-hand pointer can be replaced with a disk with a single whole in it. When the disk rotates, the objects in the niches are revealed one at a time.



Product Name: Dual Switch Latch and Timer
Vendor: TASH, Inc.
Size: 5.75" x 3.5" x 0.3"
Weight: 1 lb.
Power Source: 9V battery
Connector Type: 3.5 mm mini-phone plug
Cost: $250.00

Dual Switch Latch and Timer is a device that controls the mode of operation of two momentary contact switches. The latching function changes the action of the switch from momentary to latching on/off. The timing function keeps the circuit closed for a preset amount of time for each activation of the switch, and can also set the duration for which the switch must be pressed in order to be activated. Dual Switch Latch and Timer can be used to control battery operated devices if used with an battery interrupter cable.



Product Name: E-Tran Scanner

Vendor: Nassau Applied Technology Resource Center

Size: 20" x 20" x 1.5"

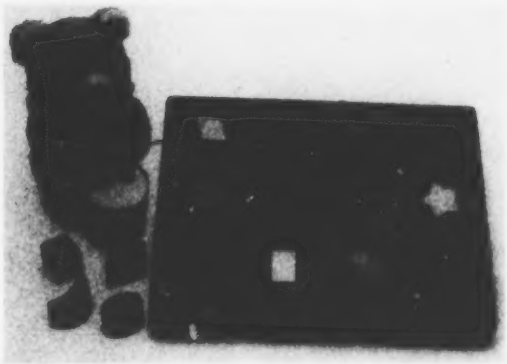
Weight:

Power Source: Rechargeable batteries

Connector Type: Mini-phone plug

Cost: $1,400.00

E-Tran Scanner is a communication training system designed for an individual just learning to use an electronic aid. Eighteen selection areas are assembled around a central area, allowing the user a clear viewing path. The user scans the selection areas with a single switch in either automatic or manual scanning modes; in automatic scanning, the scanning continues in sequence until the switch is closed, and in manual scanning, a different area lights every time the switch is operated. When the correct area is scanned, a lamp lights the entire selection area on both sides of the device. The message receiver can therefore sit on the opposite side of the E-Tran Scanner and maintain eye contact with the user. The buzzer provided with E-Tran Scanner may be used for audio feedback during selection, or as a call signal. The E-Tran Scanner has eighteen message areas, and the device may be configured to scan only six. Scanning rate is adjustable.



Product Name: Flexi-Formboard

Vendor: Adaptive Communication Systems Technologies

Size: 14.5" x 11" x 1.5"

Weight: 4 lbs.

Power Source: Rechargeable battery

Connector Type:

Cost: $435.00

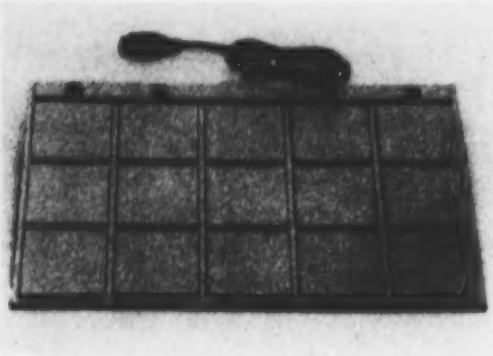
Flexi-Formboard is a tray that can be used to control battery operated toys or other battery operated devices (extra). The tray has 12 removeable three-dimensional shapes (star, square, crescent, etc.) that fit into specific indentations in the tray. The toy or other device is plugged directly into the tray. When a shape is inserted into the correct indentation, the battery operated toy will turn on. A time control allows for adjustment of the operational time of the toy before it automatically turns off.

Product Name: Interchangeable Music Puzzle/Switch
Vendor: Toys for Special Children, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: $55.00

Interchangeable Music/Puzzle Switch is a training device that requires a person to place puzzle pieces of the right shapes in the right holes to activate a switch. When the pieces are put in place correctly, the device plays a tune. It can also be connected as a switch to a reinforcer (such as a battery-operated toy) so that completing the puzzle will activate the reinforcer. The puzzle has five pieces, and blanks can be inserted in some of the five spaces if desired to make the puzzle simpler.

Product Name: Invertor Module
Vendor: Toys for Special Children, Inc.
Size: 5" x 3" x 2"
Weight:
Power Source:
Connector Type: 1/4" or 1/8" phone plug
Cost: $23.00

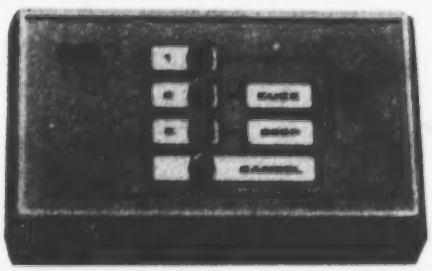
Invertor Module is a device that reverses switch operation. The Invertor Module connects between a single switch and a switch-operated device (such as a toy). When the switch is not being activated, the toy stays on. When the switch is activated, the toy turns off.



Product Name: Keypad
Vendor: TASH, Inc.
Size: 15" x 10"
Weight: 1.5 lbs.
Power Source:
Connector Type: 9-pin D
Cost: $200.00

Keypad is a 3 x 5 array of switches, each activated by pressing on a square plate. The Keypad is low-profile, and each switch is 2.75" square. The switches are covered by a transparent, seamless, flexible plastic cover. Picture or word overlays for each key can be placed underneath the cover. Switches produce an audible click when pressed, and require 100 grams of pressure to activate.

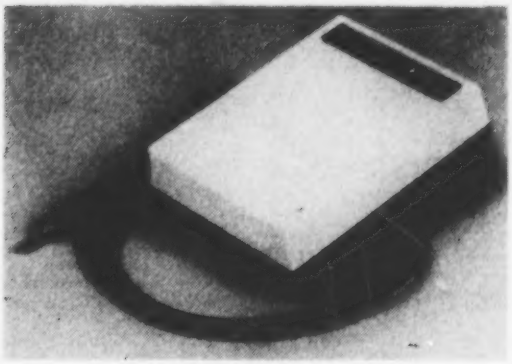
The Keypad has a 9-pin D connector, and is designed to be connected to the Keypad Trainer (see entry), which activates battery operated toys or other single-switch devices.



Product Name: Keypad Trainer
Vendor: TASH, Inc.
Size: 6" x 3.5" x 0.5"
Weight: 6 lbs.
Power Source: 9V battery
Connector Type: Mini-phone plug, 9-pin D
Cost: $400.00

Keypad Trainer is a device that accepts input from the TASH Keypad (see entry), or from any combination of five switches, and controls the operation of battery-powered toys or other low power switch-operated devices. The Keypad is connected to the Keypad Trainer, and up to three devices can be plugged in. The user programs the Trainer so that certain keys or combinations of keys will activate either (a) one of three switch-operated devices, or (b) a buzz or a beep (built into the Trainer).

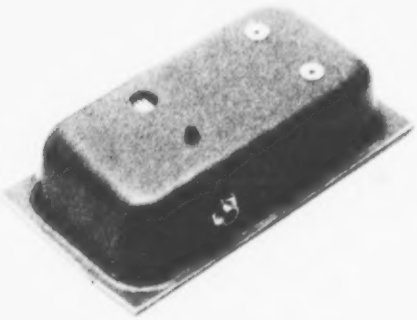
The user must supply the Keypad. Battery-operated devices must be equipped with switch interfaces.



Product Name: Latch Box
Vendor: Creative Switch Industries
Size:
Weight:
Power Source:
Connector Type:
Cost: $70.50

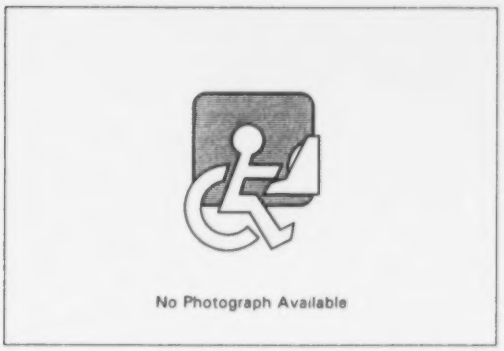
The Latch Box is an electrical relay that converts a switch from a momentary status switch to an on/off switch. A switch and appliance or reinforcing device (such as a toy) are connected to the Latch Box; activating the switch turns the appliance or device on until the switch is activated a second time.

The Latch Box has a 3.5 mm input jack and a 3' output cord with a 3.5 mm plug. The box may be interface with any ability switch and electrical control unit or battery device adaptor.



Product Name: Lighted Vibrating Signalling Buzzer
Vendor: Toys for Special Children, Inc.
Size:
Weight:
Power Source: Battery
Connector Type: 1/4" or 1/8" phone plug
Cost: $51.00

Lighted Vibrating Signalling Buzzer is a buzzer unit activated by a single switch. When a switch connected to the unit is activated, a buzzer sounds, a light on top of the unit is lit, and the unit vibrates. This tactile feedback can be useful in the training of children with sensory impairments.

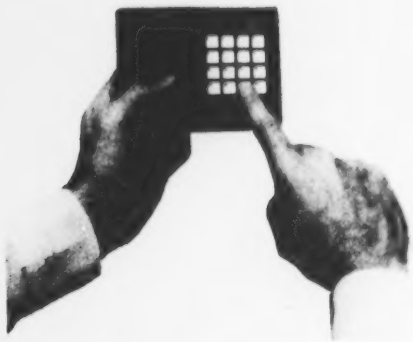


Product Name: Mini Talking Card Reader
Vendor: Crestwood Company
Size: 6" x 5" x 2"
Weight: 14 oz.
Power Source: 4 "AA" batteries
Connector Type:
Cost: $63.95

Mini Talking Card Reader is a hand-held device that records and plays back strips of audio tape attached to cards. Audio tape with adhesive backing is placed on a card, photo, etc. The card is then placed in a slot of the Reader, which can either record or play back the tape's contents. Two seconds of sound fit on each inch of applied tape. Applications include answering the phone (introductory and emergency messages), relaying a small set of messages, and calling for help.

Product Name: Multiswitch Module
Vendor: Toys for Special Children, Inc.
Size: 5" x 3" x 2"
Weight:
Power Source:
Connector Type: 1/4" or 1/8" phone plug
Cost: $36.00

Multiswitch Module is an adaptor which allows several switches to be connected to the same switch-operated device (such as a toy). Which of the switches controls the toy is determined by the setting of toggle switches on top of the module. The module has four jacks for plugging in switches and one output plug for connecting to the toy. The plug can also be connected to a computer for running software equipped for switch input.



Product Name: Parrot

Vendor: Zygo Industries, Inc.

Size: 5.25" x 4" x 1.5"

Weight: 13 oz.

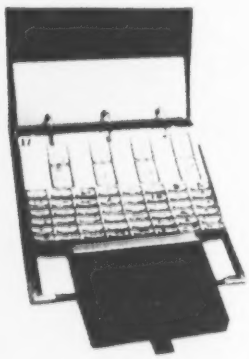
Power Source: Rechargeable batteries

Connector Type:

Cost: $750.00 - $850.00

The Zygo Parrot is a communication aid that uses digitized recordings to provide voice output. The recorder/playback unit has enough recording time for 16 brief messages. A built-in microphone and neckstrap are provided.

The basic Parrot is priced at $750.00. The Parrot-JK, which sells for $850.00, provides for external connection to individual switches or scanning systems.



Product Name: PEACEKEYPER

Vendor: TIGER Communication System, Inc.

Size: Book: 9" x 8" x 2"; keyboard: 6" x 5.5" x .75"

Weight:

Power Source:

Connector Type:

Cost: $150.00

PEACEKEYPER is a picture communication book with a fold-out electronic voice output keyboard. The book is a 3-ring binder with 66 color-coded laminated symbol pages included on which pictures and the appropriate words are pre-printed. The pages themselves, which can be removed from the binder, can be used as a direct communication aid. The fold-out keyboard, which produces single-word digitized speech and has a lexicon of 90,000 words, can also be utilized; the user must type in the desired word for the keyboard unit to "speak" it. The keyboard has a standard QWERTY layout and folds up into the binder when not in use.

Pages removed from PEACEKEYPER can also be used as overlays for computer touch tablet applications (extra).

Product Name: Peacemaker

Vendor: TIGER Communication System, Inc.

Size: Book: 9" x 8" x 2"; keyboard: 6" x 5.5" x .75"

Weight:

Power Source:

Connector Type:

Cost: $285.00

Peacemaker is a picture communication book with fold-out electronic voice output keyboard. The book is a three-ring binder with 66 laminated pages of color-coded symbols with corresponding words. The pages themselves, which can be removed from the binder, can be used as a direct communication aid. The fold-out keyboard (the Franklin LM-6000), which produces sentence-length digitized speech and has a lexicon of 110,000 words, can also be utilized. The user must type in the desired word for the keyboard unit to speak it. The keyboard has a standard QWERTY layout and folds up into the binder when not in use.

The voice output keyboard device can be purchased separately for $225.00. An optional keyguard costs $30.00.

Product Name: Perceptual Motor Trainer

Vendor: Toys for Special Children, Inc.

Size:

Weight:

Power Source: 2 "AA" batteries

Connector Type:

Cost: $36.00

Perceptual Motor Trainer is a metal tablet with a stylus connected to it. Any design taped to the plate can serve as a path for the user to follow. When the stylus strays off the path, a buzzer sounds and an LED lights up. The design placed on the plate can be as simple as a straight line or as complex as letters or words.

The Perceptual Motor Trainer requires two "AA" batteries for operation.

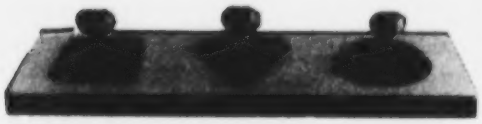
Product Name: PigTail Adapters
Vendor: AbleNet, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: $5.00 each

PigTail Adapters are adapters for 1/4", 1/8", and 3/32" plugs. The adapters help link equipment together which does not have corresponding plug end sizes. There are six conversions available: 1/8" to 1/4", 1/8 to 3/32", 1/4" to 1/8", 1/4" to 3/32", 3/32" to 1/8", and 3/32" to 1/4".

The adapters are all sold separately; each adapter is $5.00. Specify plug convertion sizes when ordering.

Product Name: Push-On-Push-Off Module
Vendor: Toys for Special Children, Inc.
Size: 6.3" x 3.8" x 2.2"
Weight: 14 oz.
Power Source: 2 "D" batteries
Connector Type: 1/4" or 1/8" phone plug
Cost: $43.00

Push-On-Push-Off Module is a device that takes momentary input from a single switch and converts it to latched on/off output for a switch operated device. Activating the switch once will turn the toy or device on. It remains on until the switch is activated again.



Product Name: Puzzle Switches

Vendor: Handicapped Children's Technological Services, Inc.

Size: 17" x 5.5" x .63"

Weight:

Power Source:

Connector Type: Mini-phone plug

Cost: $95.95

Puzzle Switches are sets of three switches. Each switch is activated by putting a simple geometric puzzle piece into the correctly shaped space. The puzzle pieces are made of wood and have handles on them. Controls are provided for determining which of the puzzle piece switches will be active at a given time.

Two models are available: one with a circle, triangle and square and one with three circles.

No Photograph Available

Product Name: Puzzle Switches

Vendor: Toys for Special Children, Inc.

Size:

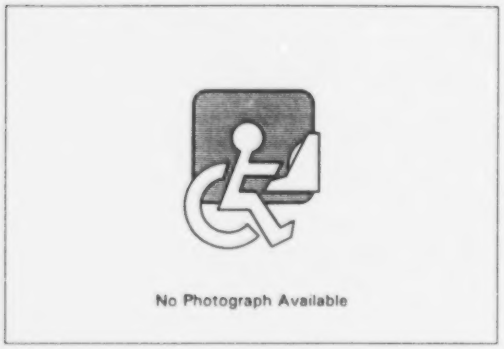
Weight:

Power Source:

Connector Type:

Cost: $20.00 - $45.00

Puzzle Switches require the user to perform a visual-motor task to activate the device attached to the switch. Shape Switches require correct placement of one, two, or three pegs. Shape Switch Music Box is similar, but will play a tune if no device is attached when the pegs are placed correctly.



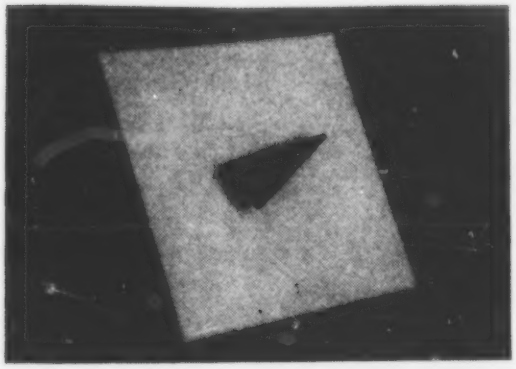
Product Name: Quad Talk
Vendor: Crestwood Company
Size:
Weight:
Power Source:
Connector Type:
Cost: $199.95

Quad Talk is a training device designed to aid students in responding to object and picture stimuli. Four stimulus picture cards, with a light above each one, and four corresponding objects may be placed on the Quad Talk. Each light is activated in turn; the student presses a switch (extra) when the light is over the picture corresponding to an answer or need. The scanning light speed is adjustable.

A package including Quad Talk and a Membrane Plate Switch (see entry) is available for $234.95.

Product Name: Rhythm Generator
Vendor: Toys for Special Children, Inc.
Size: 5" x 3" x 2"
Weight:
Power Source: 9V battery
Connector Type: 1/4" or 1/8" phone plug
Cost: $46.00

Rhythm Generator is a device that rhythmically activates a switch-operated device, such as a toy. The Rhythm Generator is connected between the switch and the toy. While the switch is activated, the toy turns on and off in a regular rhythm. While the switch is released the toy stays off. The speed of the rhythm is adjustable.



Product Name: Rotary Communication Scanner

Vendor: Baylor Biomedical Services

Size: 12" x 12" x 6"

Weight: 2.75 lbs.

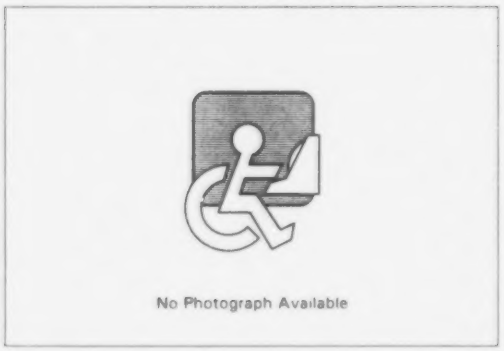
Power Source:

Connector Type: 1/8" mini-phone plug

Cost: $98.00

The Rotary Communication Scanner is a scanning communication training device operated by an external switch (extra). As long as the switch is closed, the pointer on the scanner turns clockwise. The user releases the control switch to stop the pointer at the desired selection. The scanning speed may be adjusted by the user.

The scanner has an input jack for accepting switches with 1/8" mini-phone plugs.



Product Name: Round Clock Communicator

Vendor: Toys for Special Children, Inc.

Size:

Weight:

Power Source:

Connector Type:

Cost: $70.00

Round Clock Communicator is a rotary scanning communication device. A switch is connected to the device, and activating the switch causes a clock-hand pointer to move around the face of the Communicator. The user selects symbols or objects by stopping the pointer at the desired place. Round Clock Communicator is equipped with a universal clamp on a rigid gooseneck for attachment to a wheelchair, bedframe or table. The clock face is available in clear or white.

Product Name: Secretary

Vendor: Zygo Industries, Inc.

Size: 9.63" x 6" x 1.88"

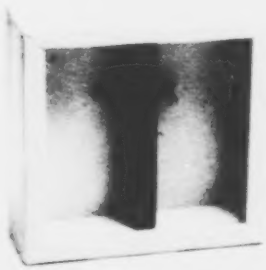
Weight: 2 lbs.

Power Source: Rechargeable batteries

Connector Type:

Cost: $2,295.00

Secretary is a portable writing-talking communication aid. The aid has digitized recording capabilities plus text writing and message storing capabilities. The speech recorder/playback unit is able to store up to 10 brief messages. The keyboard is available with American, British, or Swedish characters; optional versions are available with keyboards for other languages. A microphone is built in; connections are provided for use of external microphones and speakers. The membrane keypad is color coded and has a keyguard. A carrying handle is included.



Product Name: Sequential Scanner

Vendor: Toys for Special Children, Inc.

Size: 6" x 10"

Weight:

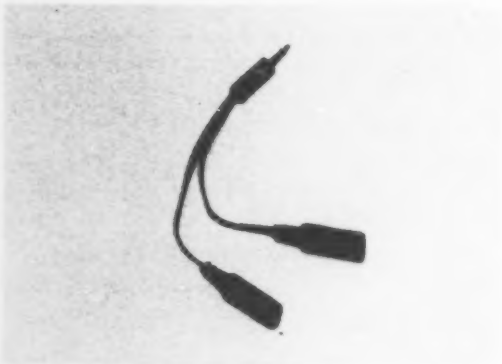
Power Source: 1 "D" battery

Connector Type: 1/4" or 1/8" phone plug

Cost: $71.00 - $86.00

Sequential Scanner is a communication training aid with compartments. An external switch (extra) is attached to the device. Every time the switch is activated, a light moves from one compartment to the next. Objects may be placed in each compartment.

Sequential Scanner is available with two or four compartments.



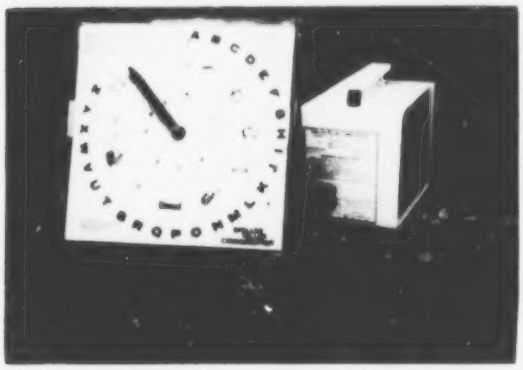
Product Name: Series Adapter
Vendor: AbleNet, Inc.
Size: 8" long
Weight: 1 oz.
Power Source: None
Connector Type: 1/8" mini-phone plug
Cost: $12.00

Series Adapter is a device that allows two switches to be connected in series. The user plugs two switches into the Series Adapter, along with some device to be controlled (such as a modified battery-operated toy). When they are connected in series, both switches must be activated before the toy will turn on.

Product Name: Specialist
Vendor: TIGER Communication System, Inc.
Size: Book: 9" x 8" x 2"; keyboard: 6" x 5.5" x .75"
Weight:
Power Source:
Connector Type:
Cost: $585.00

The Specialist is a picture communication book with a fold-out electronic voice output keyboard. The book is a three-ring binder with 66 laminated pages of color-coded symbols with corresponding words. The pages themselves, which can be removed from the binder, can be used as a direct communication aid. The fold-out keyboard (the Franklin LM 6000-SE) can also be used for communication: it produces sentence-length digitized speech with a set vocabulary (110,000 words) and also allows unique messages to be typed and then spoken with synthesized speech. The device can also read words aloud, spell words aloud and pronounce words syllable by syllable. Up to 26 unique messages can be pre-stored for quick speech. The device displays messages in large print (1/4" inch high) on its screen. Menu options allow tailoring of character display and voice output to meet individual needs.

The voice-output keyboard device is also available separately for $499.00. An optional keyguard costs $30.00.



Product Name: Speller Teller Communicators

Vendor: Kalashian, Al

Size: 12" x 12" x 7"

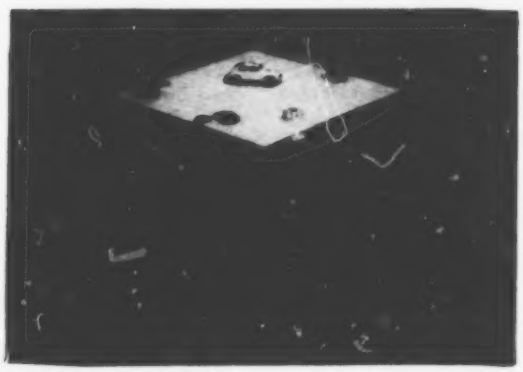
Weight:

Power Source: Rechargeable battery

Connector Type: 1/8" mini-phone plug

Cost: $1,350.00

Speller Teller is a communication device and training aid with a dial face. Two switches are used to rotate a pointer clockwise or counterclockwise. The user releases the switch when the desired selection is made. Speller Teller comes with two different sized overlays, each containing letters, numbers, and symbols. The package comes with the Speller Teller Head with 2 sizes of dials, a Power Pack and built-in charger, 3 control cords, and six switches (the user may choose from twelve switches; contact manufacturer for further details.) The battery remains charged from 4 to 16 weeks, depending on usage.



Product Name: Steeper Communication/Teaching Aid

Vendor: Zygo Industries, Inc.

Size: 14.5" x 11.25"

Weight: 5.5 lbs.

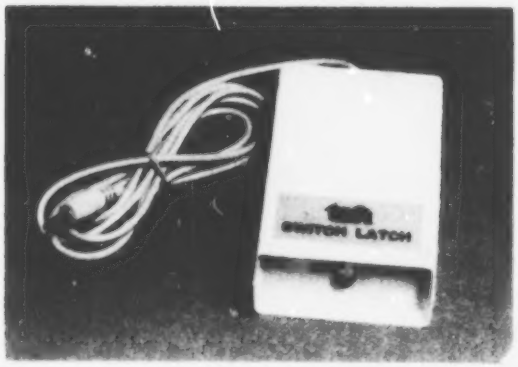
Power Source: 120V AC

Connector Type:

Cost: $1,695.00

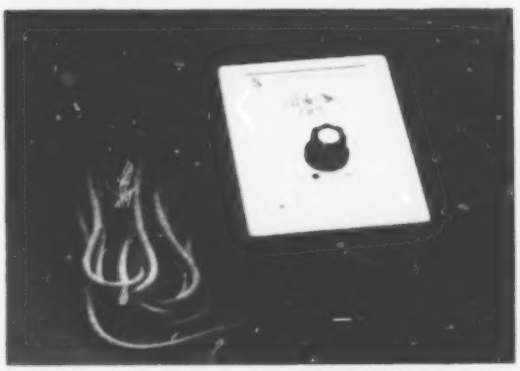
Steeper Communication/Teaching Aid is a programmable 16-position scanning communication aid. The aid consists of a translucent panel mounted on a base. The panel can be horizontal, tilted 30 degrees, or tilted 60 degrees. The panel is divided into 16 squares, each with a light behind the panel. Communication symbols or objects can be placed on these squares, and the user indicates a choice by scanning with a single switch. In manual scanning mode the user activates the switch, causing the squares to light up sequentially. The user releases the switch when the desired choice is reached. In automatic scanning mode the squares illuminate sequentially, and the user activates the switch to stop the scanning when the desired choice is reached. A control keyboard in the rear of the unit allows the sequence of lights to be progammed, as well as the speed of automatic scanning. A remote control switch allows the direction of scanning and the starting and stopping of automatic scanning to be controlled with an external switch.

A modification is available to permit selections on the Steeper Communication/Teaching Aid to access the voice output of the Zygo Parrot-JK.



Product Name: Switch Latch
Vendor: TASH, Inc.
Size: 4" x 2" x 1"
Weight: 4 oz.
Power Source: 9V battery
Connector Type: 1/8" mini-phone plug
Cost: $150.00

Switch Latch is a device that takes momentary input from a single switch and converts it to latched on/off output. Activating the switch once will turn the toy or device on. The toy remains on until the switch is activated again. Switch Latch is designed to be used with battery operated devices such as toys. The Switch Latch will work with any switch having a 1/8" phone jack.



Product Name: Switch Latch and Timer
Vendor: AbleNet, Inc.
Size: 3.25" x 4.5"
Weight:
Power Source: 9V battery
Connector Type:
Cost: $54.00

The Switch Latch and Timer allows timer and latch control between a switch and the device it is activating. The device had a timed mode which allows a device to run for one to sixty seconds after the switch is activated. The one-shot timer stops at the end of the preset timing interval even if the switch is held down. In the latch mode, one touch of the switch turns the device on. The device stays on until the switch is activated again.

Product Name: Switch Latch/Timer

Vendor: Don Johnston Developmental Equipment

Size: 4.75" x 2.5" x 1.5"

Weight:

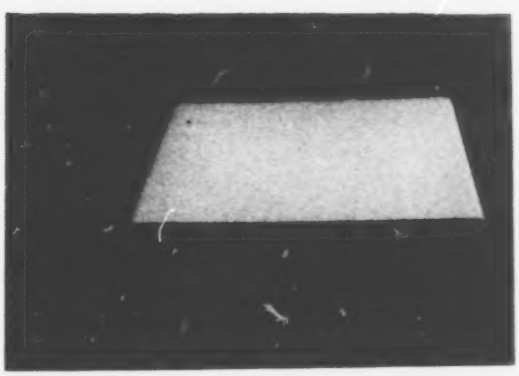
Power Source: Rechargeable batteries

Connector Type: 1/8" mini-phone plug

Cost: $135.00

Switch Latch/Timer is a device that connects between a switch and a battery powered switch operated device (such as a modified toy) and adjusts how the switch functions. In latch mode, activating the switch causes the toy to turn on and stay on until the switch is activated again. In timer mode, activating the switch causes the toy to turn on and stay on for a specific period of time. The Switch Latch/Timer can connect to one or two switches and one or two toys. The Switch Latch/Timer itself has an on/off switch so battery power is conserved when the unit is not in use. Each channel can be controlled separately, and unique auditory feedback is supplied for each channel.

The Switch Latch/Timer accepts switches with 1/8" mini-phone plugs.



Product Name: Switch Latcher SWL-1 and Double Switch Latcher DSL-2

Vendor: Handicapped Children's Technological Services, Inc.

Size: 2.88" x 6" x 5"

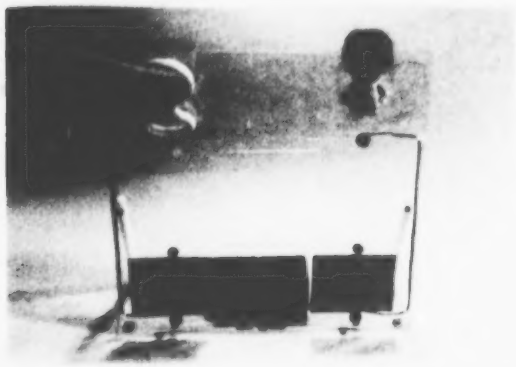
Weight:

Power Source:

Connector Type:

Cost: $95.95 - $148.00

The Switch Latcher controls both AC- and battery-operated devices. The latcher is used with switches to turn on appliances, lamps or battery-operated toys, and keep them on until the switch is activated a second time. The Switch Latcher ($95.95) is designed for use with small and medium-sized appliances. The Double Switch Latcher ($148.00) controls two appliances using two switches.



Product Name: Symbol Training Display

Vendor: Don Johnston Developmental Equipment

Size: 18" x 18"

Weight:

Power Source: 4 "C" batteries

Connector Type:

Cost: $175.00

Symbol Training Display is a training device designed to teach individuals object-to-picture association. Cards or objects are placed in clear plastic bags which snap to the Symbol Training Display in four quadrants. Lights in each quadrant can be activated by the trainer to reinforce correct responses, or provide correction of inaccurate responses. A switch is mounted in back of the unit so that the trainer can provide additional reinforcement by activating a tape recorder or battery operated toy (extra).

Product Name: Tape-A-Message Mike and Adapted Tape-A-Message

Vendor: Crestwood Company

Size: 3" x 5.5" x 3"

Weight: 1.1 lbs.

Power Source: 9V battery

Connector Type: 1/8" mini-phone plug

Cost: $34.95 - $44.95

Tape-A-Message Mike is a fifteen second continuous loop tape recorder. To record, the user holds down a button on the side of the device. The message is repeated when Tape-A-Message Mike is picked up. The Tape-A-Message Mike recording unit requires one 9 volt battery for operation. Tape-A-Message Mike is $34.95; Adapted Tape-A-Message, which may be controlled by any switch that has a 1/8" mini-phone plug, is $44.95.

Product Name: TDD Communication Trainer System

Vendor: Deafworks Company

Size:

Weight:

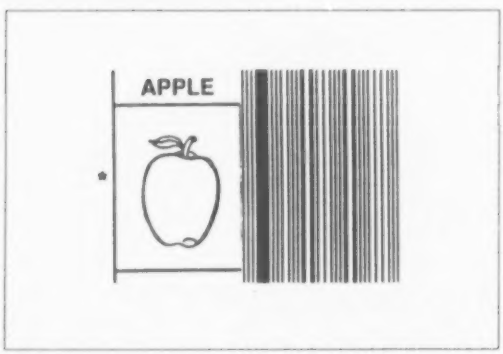
Power Source: 120V AC

Connector Type:

Cost: $129.00 - $189.00

The TDD Communication Trainer System is designed to train persons to use telecommunication devices for the deaf. The system is a "two-way" trainer which allows the users to practice receiving and sending TDD messages. The training device plugs into a wall outlet and its telephone handsets connect the TDDs to the unit.

This product is available in two models. The Trainer 2000 is a two handset unit ($129.00); the Trainer 4000 is a four handset unit ($189.00). The training system does not include TDDs.



Product Name: TIGER Jr.

Vendor: TIGER Communication System, Inc.

Size: 7" x 10" x 2"

Weight: 2.7 lbs.

Power Source:

Connector Type:

Cost: $99.00

The TIGER Jr. is a picture communication book with talking bar codes that interfaces with the Magic Wand talking barcode reader. The TIGER Jr. has a survival-oriented vocabulary of 375 words displayed with combined pictures and talking bar codes. The line drawings emphasize concreteness and body language. The 56 laminated pages of the TIGER Jr. feature functional page tabs with icons arrayed in a keyboard-like manner. Bar codes average 2.75 inches tall, and may be photocopied and enlarged for non-commercial purposes up to 10 inches tall while remaining machine readable. The pages come in a binder.

The Magic Wand Speaking Reader is required to give voice output to the bar codes and is included in the $99.00 cost of the TIGER Jr. The price also includes the TIGERbook Expansion Vocabulary Set which increases the lexicon to 940 words. Contact the manufacturer for details about purchasing the products separately.

Product Name: Timer Module

Vendor: Toys for Special Children, Inc.

Size: 2" x 3" x 1"

Weight:

Power Source: 9V battery

Connector Type:

Cost: $43.00

Timer Module is a device that sets the amount of time that a switch-operated device will remain on after the switch is activated. The amount of time that the Module activates the device is adjustable from 0 to 30 seconds.

Operation of the Timer Module requires a 9 volt battery. Contact manufacturer for information on types of switches and connectors applicable for the Timer Module.

Product Name: Tone Switch Box

Vendor: Baylor Biomedical Services

Size: 4.75" x 2.25" x 1"

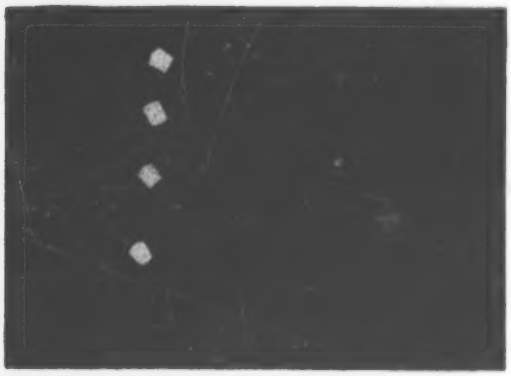
Weight: 3 oz.

Power Source: 9V battery

Connector Type: 1/4" or 1/8" mini-phone plug

Cost: $45.00

The Tone Switch Box is a device for testing switches or training clients to use switches. When a switch is activated, the box emits a tone and an LED light flashes on. The box has two input jacks, one for 1/8" plugs and one for 1/4" plugs.



Product Name: Toy Adapter

Vendor: Burkhart, Linda J.

Size:

Weight:

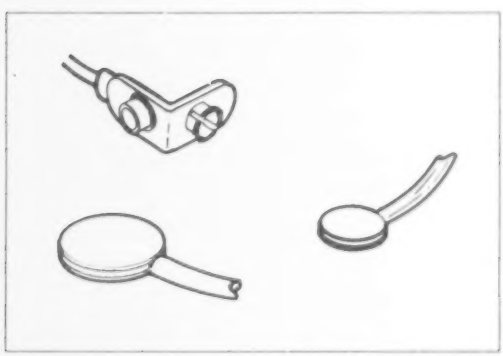
Power Source:

Connector Type: Mini-phone plug

Cost: $7.95

Toy Adapter is a device that allows a single switch to control the operation of a battery-powered device such as a toy. A switch is plugged into one end of the adapter, and a small plate at the other end is inserted between the battery and the battery contacts in the toy. The switch will then turn the toy on and off.

Toy Adapters come in three sizes, depending on the size of battery in the toy: "D," "C," or "AA." The adapters may be ordered with submini or mini jacks.



Product Name: Toy Adapter Cables: CA-9/CA-12/CA-16

Vendor: Zygo Industries, Inc.

Size:

Weight:

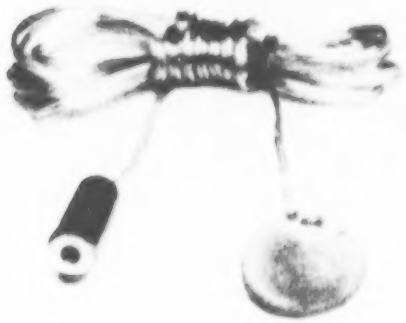
Power Source:

Connector Type: 1/8" mini-phone plug

Cost: $25.00

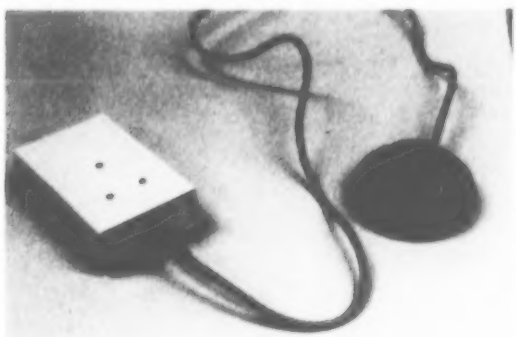
Toy Adapter Cables allow battery operated toys or devices to be turned on using most single switches (switches not included). The device consists of a cable with a jack for a single switch at one end, and a small metal plate at the other. The plate is inserted between two batteries in a battery-operated device, such as a toy, or between a battery and a battery contact. When a switch is plugged into the jack, the switch will turn the toy on and off.

Toy Adapter Cables are available for "C," "AA," and 9V transistor batteries.



Product Name: Toy Cable
Vendor: TASH, Inc.
Size: 6' long
Weight:
Power Source:
Connector Type: 1/8" mini-phone plug
Cost: $10.00

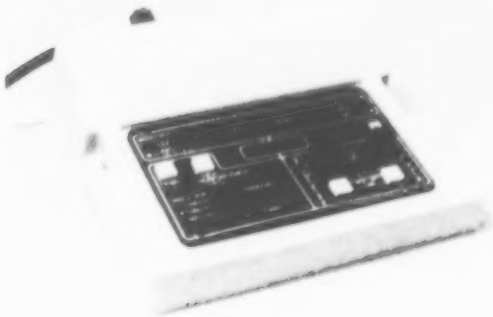
Toy Cable allows a battery operated device such as a toy to be turned on using most single switches (switches not included). It is a cable with a small metal plate at one end and a jack for a single switch at the other. The plate is inserted between two batteries in a battery-operated device or toy, or between a battery and a battery contact. When a switch is plugged into the jack, the switch will turn the toy on and off.



Product Name: Trace Beeper Box
Vendor: Trace Center
Size:
Weight:
Power Source: 9V battery
Connector Type:
Cost: $75.35

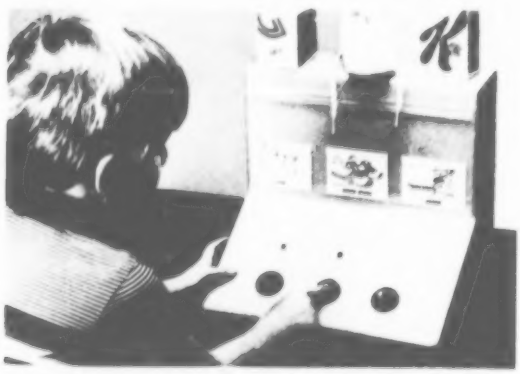
Trace Beeper Box is a portable switch-activated box with adjustable sound used to provide simple auditory feedback for switch use training, for switch use evaluation, or for simple communication response. A switch is plugged into the standard switch jack on the box. When the switch is activated, a tone is emitted. The tone may be adjusted by the user to permit discrimination between boxes when more than one box is used. Pitch settings range from 400 to 3,000 Hz, and the pulse rate may be adjusted from 0 Hz (steady sound) to 12 Hz (fast pulse). The box runs on a 9-volt battery.

Battery and switch are not included.



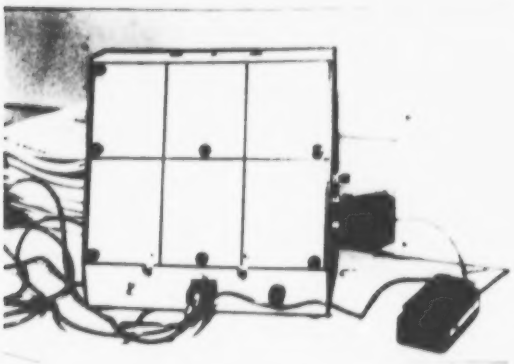
Product Name: Training Aid 2
Vendor: Prentke Romich Company
Size: 8" x 9" x 2"
Weight: 2.75 lbs.
Power Source: 120V AC
Connector Type: Mini-phone plug
Cost: $625.00

Training Aid 2 is a device that allows two switches to be used to control two household current- or battery-operated devices. The Training Aid 2 has an internal clock which allows training sessions to be a set length, up to 20 minutes. During each training session, internal counters record the activations of each switch and the number of times each reinforcement was turned on. The activation of the reinforcement by the switch can be set to be momentary, latching, or timed. Only one switch and one reinforcement can be used if desired.



Product Name: Tri-Responder
Vendor: Crestwood Company
Size: 10.5" x 16" x 11"
Weight:
Power Source: Battery
Connector Type:
Cost: $159.95

Tri-Responder is a training device designed to aid students in responding to object and picture stimuli. Three stimulus picture cards and three corresponding objects may be placed on the Tri-Responder. The student responds to directions by pressing one of three large buttons which produce a buzzing sound, colored light, or both. No distinction is made between correct and incorrect responses.



Product Name: Variable Position Scanner

Vendor: Cerebral Palsy Research Foundation of Kansas, Inc.

Size: 10.5" x 10.25" x 5.5"

Weight: 10 lbs.

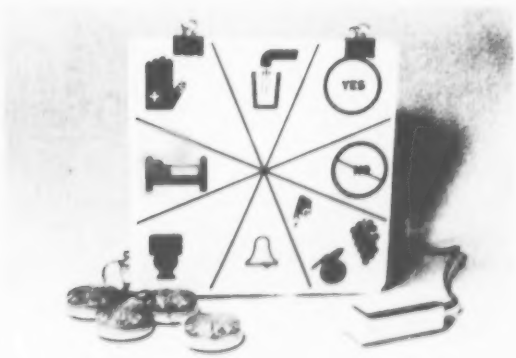
Power Source:

Connector Type: 3.5 mm mini-phone plug

Cost: $325.00

Variable Position Scanner is a scanning communication training aid with six positions. The instructor activates the automatic scanning mode, and the lights for each position light sequentially until the student activates a single switch. The instructor must then restart the scanning. The Variable Position Scanner may be configured to scan three, four or six positions by turning a selector switch. Any desired symbols may be placed in each of the positions.

The Variable Position Scanner is designed to accommodate the Peabody Picture Vocabulary Test in the four-position mode, and the Test for Auditory Comprehension of Language in the three position mode. The system includes an AC packet and treadle switch, but any switch may be used to operate the system. Contact manufacturer for detailed information on other available options.



Product Name: Versascan

Vendor: Prentke Romich Company

Size: 12.5" x 11" x 3"

Weight: 4.75 lbs.

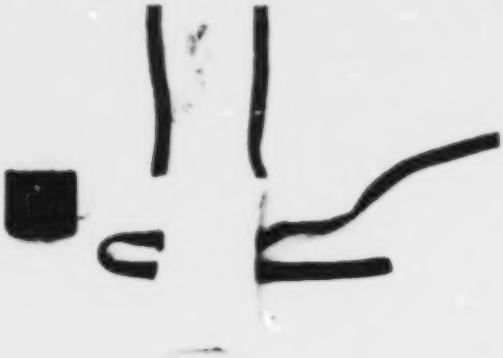
Power Source: Rechargeable batteries

Connector Type:

Cost: $880.00

Versascan is a scanning communication training aid having on its face 16 lamps arranged in a circle. When the user activates a switch, the lamps light in sequence. When the desired position is reached the user releases the switch, stopping the movement of the light. Symbols or words may be placed next to the lamps, or translucent overlays may be used, allowing the lamps to shine through. Removeable colored lamp covers are provided that allow positions to be color coded. The lamps are removeable as well, so 2-16 position scanning is possible.

Optional remote lamps are available which plug into the sockets that the standard Versascan lamps plug into. These may be used to create a larger display area for scanning, such as a wall.



Product Name: Vibrating Sack

Vendor: Toys for Special Children, Inc.

Size:

Weight:

Power Source: 1 "C" battery

Connector Type:

Cost: $36.00

Vibrating Sack is a soft cloth bag with a vibrating unit inside. When a single switch connected to the sack is activated, the sack vibrates gently. The tactile feedback provided by the vibrating of the device can be a useful reinforcement for training young children with sensory impairments, to associate the cause and effect of their actions.

Product Name: VoiceMate, SwitchMate, ScanMate

Vendor: TASH, Inc.

Size: 3" x 2.5" x 1.25"

Weight: 8 oz.

Power Source: 4 "AAA" batteries

Connector Type:

Cost: $325.00 - $385.00

Voicemate is a device which allows the user to record four phrases of four seconds each for digitized playback. Phrases are recorded and recalled by using a keypad on the top of the device. Switchmate allows the connection of four other switches to the Voicemate for recall of messages. Scanmate provides further connection for single or dual switches for automatic or step scanning.

Product Name: WPS Loquitur 115 and 250

Vendor: Western Psychological Services

Size: 9.5" x 6.5" x 2"

Weight: 2.5 lbs.

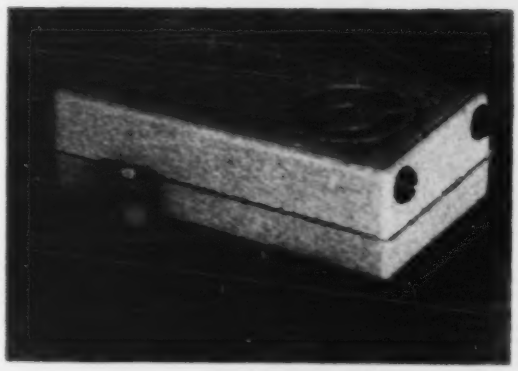
Power Source:

Connector Type:

Cost: $490.00 - $495.00

Loquitur 115 and 250 are voice recorders designed to provide immediate and continuous feedback of digitized human speech. The recorders have built-in microphones which allow for recording of an individual client or a small group. Model 115 can operate with a tape player; Model 250 can act as a stand-alone communication aid. On Model 250, between one and four messages can be recorded and played back using either the switches built into the device or external switches connected to any of its four jacks.

Loquitur Model 115 is $495.00 and Model 250 costs $490.00. Options for both model include a rechargeable battery pack and charger ($145.00), a tape player ($55.00), and a carrying case ($75.00).



Product Name: Yes-No Voice Box

Vendor: Baylor Biomedical Services

Size: 5" x 2.6" x 1.5"

Weight: 9 oz.

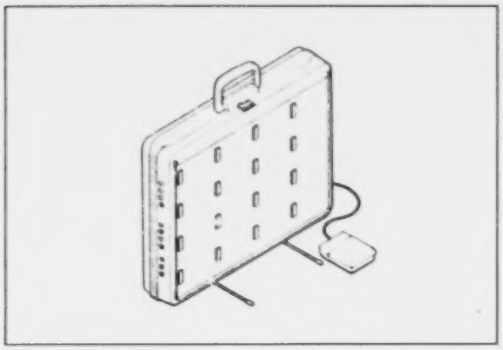
Power Source: 9V battery

Connector Type:

Cost: $195.00

Yes-No Voice Box is a communication initiation device that permits a user to respond to questions with "Yes" or "No," using either a male or female voice. The volume of the voice output may be adjusted. Two switches are required, one for each response; an adapter (extra) is available to permit single switch operation.

The device has a 1/8" stereo jack; an adapter is included for two 1/8" plugs.



Product Name: Zygo Model 16C-JK

Vendor: Zygo Industries, Inc.

Size: 18.5" x 15" x 3.5"

Weight: 14 lbs.

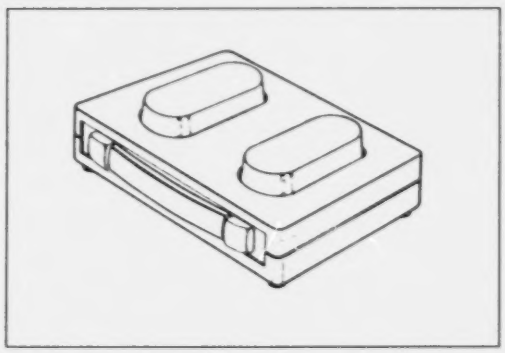
Power Source: Rechargeable battery

Connector Type: 1/8" mini-phone plug

Cost: $1,395.00

Zygo Model 16C-JK (formerly Zygo Model 16C) is a 16-position scanning communication aid. The scanning array is a 4 x 4 grid that rests vertically. Each position has a light, and the user can scan the positions automatically (single switch, adjustable speed) or manually (single or dual switch). The array can be configured to scan with anywhere from 2 to 16 positions, and any desired overlays with the appropriate symbols and number of positions may be created. All four, one, or none of the left-hand column positions may be set to trigger an alarm.

A modification is available to permit selections on the Model 16C- JK to access the voice output of the Zygo Parrot-JK.



Product Name: Zygo Model 20

Vendor: Zygo Industries, Inc.

Size: 8" x 5.5" x 1.5"

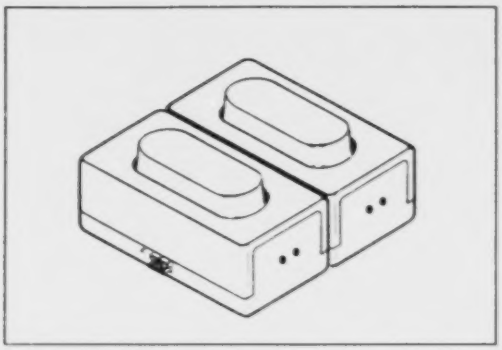
Weight: 1.25 lbs.

Power Source: Battery

Connector Type: 1/8" mini-phone plug

Cost: $230.00

Zygo Model 20 is a two-choice communication training aid. The Model 20 is a small electronic box with two large buttons that light up when pressed. The colors of the lights are red and amber, and each light has a jack to allow external switches to be used for device operation if desired.



Product Name: Zygo Model 21S

Vendor: Zygo Industries, Inc.

Size: 3.2" x 6" x 2"

Weight: 8 oz.

Power Source: Battery

Connector Type: 1/8" mini-phone plug

Cost: $350.00

Zygo Model 21S is a two-choice communication training aid. The system is a set of two lights, one red and one amber, each in its own housing. The lights light up when pressed. The two made be spread apart up to 3 feet or joined directly together. A jack for external switch operation is provided for each light.

Additional lights with connecting cable may be ordered.

Chapter 4

Non-Electronic Communication Aids

This chapter includes communication aids which do not use electricity, as well as materials used in developing non-electronic communication systems. This includes communication boards, eye-gaze boards, pre-printed communication symbols, etc. Headsticks and other non-electronic pointing devices are not included, since they appear in Chapter 2.

Many products in this chapter are also cross-listed by function in Index 1. Related functions include Conversation/Interaction (CI) and Assessment (AS). Many are also cross-listed by "Symbol System" in Index 2, under such categories as Pictures, Blissymbols, and User Selectable symbols.

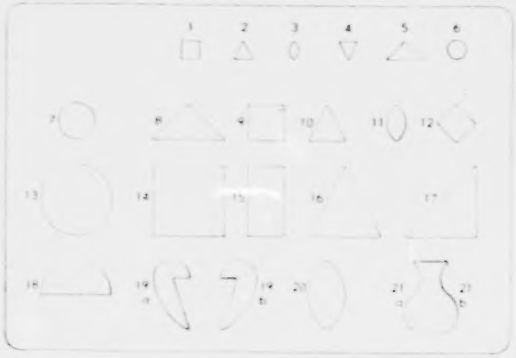
Appendix A contains a list of manufacturers of Pointing, Typing and Communication Accessories. These companies make or sell products useful with non-electronic communication systems, such as hand splints, pencil holders, elbow pads, wheelchair laptrays, and so forth.

The following product entries appear in this chapter:

Blissymbol Templates, *65*
Blissymbol Vocabulary Stamps, *65*
Bradley Board Communication Aid, *66*
Choice Board, *66*
Cleo Communication Board, *67*
Communication Binder, *67*
Communication Folder, *68*
Communication Sheets, *68*
Core Picture Vocabulary, *69*
Core Vocabulary, *69*
Eye Transfer Communication System, *70*
Eye-Com, *70*
Eye-Com Board, *71*
Food Kit, *71*
Foto Series, *72*
Help Me to Help Myself, *72*
Holiday Kit, *73*
Illustrated Menu, *73*
Individualized Communication Systems, *74*
Life Experiences Communication Kit, *74*
Long Wallet, *75*
Mega-Book, *75*
Mid-Sized Communication Book, *76*
Mini Picture Set, *76*
Nu-Vue-Cue, *77*
Oakland Schools Picture Dictionary, *77*
Object-Picture Talk Board, *78*
Opticommunicator, *78*
Passport Kits, *79*
PCS Color Stickers, *79*
PCS Stamps, *80*
PEACEbook, *80*
Pick 'n Stick Color Micros, *81*
Pick 'N Stick Color Packs, *81*
Pick 'N Stick Fast Food, *82*
PICSYMS Categorical Dictionary, *82*
Picture Communication Symbols, Books I, II & III, *83*
Picture Prompt Stickers, *83*
Pictures, Please!, *84*
Pocket Book, *84*
Pocket Picture Holder, *85*
Pocket-Sized and Double Pocket-Sized Communication Book, *85*
Porta Book, *86*
Portable Communication Boards, *86*
Practice Communication Cards, *87*
Select-A-Meal and Shopping Cards, *87*
Self-Talk Communication Boards, *88*
Self-Talk Stickers, *88*
Talking Pictures Communication Board, *89*
Talking Pictures, Kits I, II, and III, *89*
Touch 'N Talk Communication Board, *90*
Touch 'N Talk Communication Notebook, *90*
Touch 'N Talk Communication Stickers, *91*
Touch 'N Talk Micros, *91*
Tri-Folder, *92*
Unipix, *92*
Zoo Kit, *93*
Peacemaker, *41*
Specialist, *47*
TIGER Jr., *52*

The following products from other chapters can also be used as Non-Electronic Communication Aids:

Boardmaker, *493*
Communication Board Builder, *495*
PEACEKEYPER, *40*



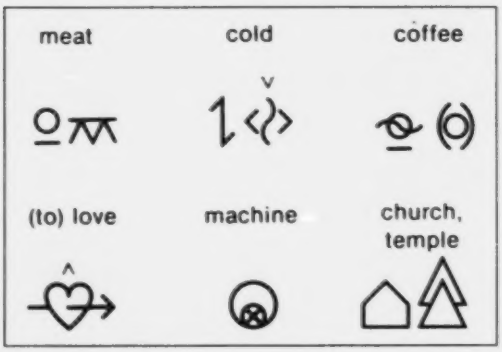
Product Name: Blissymbol Templates

Vendor: Blissymbolics Communication International

Size: 1", 11 mm, 21 mm

Cost: $12.00 - $17.00

Blissymbol Templates are patterns of Blissymbol elements. The templates are designed as an aid to drawing Blissymbols more accurately. The Large Metric Template has a large square 21 mm in size and costs $17.00. The Small Metric Template has a large square 11 mm in size and costs $17.00. The Imperial Template has a 1" large square and costs $12.00.



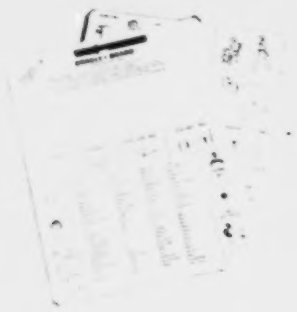
Product Name: Blissymbol Vocabulary Stamps

Vendor: Blissymbolics Communication International

Size: 8.5" x 11"

Cost: $30.00

Blissymbol Vocabulary Stamps are sheets of Bliss symbols printed on square, peel-back, self-adhesive labels. Each stamp is 7/8" square, and the sheets contain 108 stamps apiece. The word corresponding to the symbol also appears on each stamp. The package contains 1400 stamps and 145 of the newest symbols. Color coded and black-and-white are available.



Product Name: Bradley Board Communication Aid

Vendor: Bradley Enterprises

Size: 10.75" x 13.75"

Cost: $12.00

The Bradley Board Communication Aid is a laminated, two-sided board designed to aid nonvocal individuals. The board has 56 items pictured and a word list which the user may point to or mark to create sentences. The aid also has an area for writing with an attached felt tip pen. The entire board can be cleaned and markings erased using a damp cloth. A pen is included with the board.

Product Name: Choice Board

Vendor: Don Johnston Developmental Equipment

Size: 28" x 9"

Cost: $50.00

Choice Board is a basic theraputic tool designed to teach the concept of having a choice, as well as the concept of cause and effect. Objects and/or pictures may be placed in the four 5" x 7" snap-on vinyl bags. Bags may be attached to the top or bottom of the Choice Board so that the device may be used either on a table or on the floor.

Choices are made from the Choice Board via direct selection. Also included with the Choice Board is a manual providing therapy suggestions. An optional communication board display is also available. This display is useful in completing the transition from pointing to objects to making selections from a communication board. Extra vinyl bags (sets of four) are also available.

Product Name: Cleo Communication Board

Vendor: Cleo, Inc.

Size: 17" x 22"

Cost: $18.00

Cleo Communication Board is a laminated board containing drawings suggesting various needs. The user indicates selections by pointing, or by writing with a water-soluble marker (extra). Pictures include dressing, grooming, eating and medical requests. The reverse side contains diagrams of the body for indicating areas of pain or discomfort.

Product Name: Communication Binder

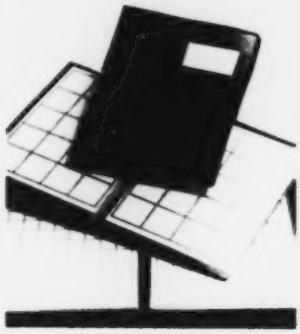
Vendor: Mayer-Johnson Company

Size: 8.88" x 11.38"

Cost: $11.00

Communication Binder is a three-ring binder containing sheets to which communication symbols can be attached. The pages are printed with blank grids of one- or two-inch squares, and have non-glare vinyl sleeves. The vinyl on the sheet protectors and pockets resists the transfer of toner copying ink from photocopied symbols. The front cover of the binder has a pocket for an identification card.

Each binder comes with five vinyl sheet protectors with two grids each, and one extra grid sheet. Additional grids and protectors are available.



Product Name: Communication Folder

Vendor: Mayer-Johnson Company

Size: See text

Cost: $6.00 - $9.00

Communication Folder is a vinyl covered folder that contains sheets with one- or two-inch grids printed on them. Communication symbols can be affixed to the grids, which are covered with clear, non-glare vinyl pockets. The vinyl pockets resist the transfer of toner copying ink from photocopied communication symbols. A small pocket is provided on the front of the folder for an identification card.

Two models are available: the Communication Folder with two panels, which opens to 19.25" x 11.63" to display three 8.5" x 11" grids; and the Tri-folder with three panels, which opens to 29.5" x 11.63" (folds to 9.5" x 11.63") to display four 8.5" x 11" grids. Two spare grid sheets are provided; more are available.

Product Name: Communication Sheets

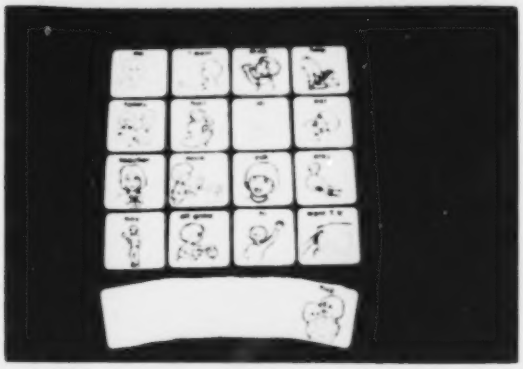
Vendor: Fred Sammons, Inc.

Size: 2" x 3"

Cost: $4.95 - $5.25 pack/20

Communication Sheets are sheets of paper containing black-and-white line drawings with accompanying words. The user communicates by pointing to the desired picture.

Each package of Communication Sheets consists of ten "basic" sheets and ten "advanced" sheets. Another package (Communication Sheets II) is available with adhesive backing for application of individual symbols to communication boards (sized 1" x 3"). The price is $4.50 for health care professionals and $4.95 for users.



Product Name: Core Picture Vocabulary

Vendor: Don Johnston Developmental Equipment

Size: 2.75" x 2.75"

Cost: $26.00 - $38.50

The Core Picture Vocabulary is a basic communication and training system. The set contains 160 cards depicting functional vocabulary words such as "eat," "drink," "mother," and "my." Cards designed to allow the user to construct two to three word combinations representing recurrance, possession, etc. Written words corresponding to the message of each picture are printed on each card. Core Picture Vocabulary Double Sided has pictures and words printed on both sides, for use with see-through communication devices.

Core Picture Vocabulary is also available in sticker form (1.25" x 1.75") or as Mini Stickers (.63" x .88").

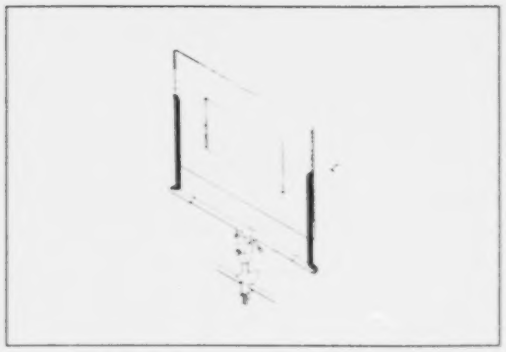
Product Name: Core Vocabulary

Vendor: Blissymbolics Communication International

Size: 8.5" x 11"

Cost: $25.00

Core Vocabulary is a set of commonly used Blissymbols. The set contains five copies each of 207 Blissymbols. The symbols are printed on adhesive-backed material, for use with symbol boards and other communication systems. Included are 17 complete sentences for communication.



Product Name: Eye Transfer Communication System

Vendor: Zygo Industries, Inc.

Size: 15" x 20"

Cost: $415.00 - $595.00

Eye Transfer Communication System is a clear plastic panel with an open area in the center. Communication symbols are placed on the panel so as to be visible from both directions. The user and the person with whom he is communicating position themselves on opposite sides of the panel, and the user conveys messages by gazing at the appropriate symbols while the other person follows his gaze.

The Eye Transfer Communication System comes with a support frame for mounting. Various combinations of mounting hardware are also available (extra).

Product Name: Eye-Com

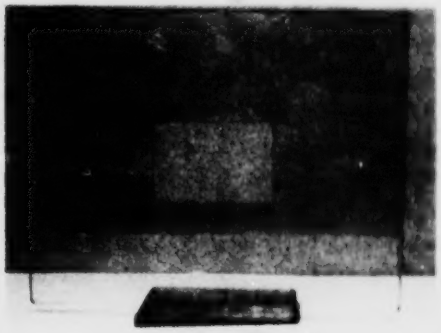
Vendor: Pitts Corporation

Size: 16" x 16"

Cost: $65.00

Eye-Com is a portable non-electronic communication aid. The operator of the device stands near the user and gazes at the user through the center of the device. The operator rotates the letter wheel until the pointer rests on the desired letter. The user then gives a signal (such as an eye blink) to signal the operator to stop. Letters are then recorded on paper by the operator, and the process is repeated until an entire word or thought is expressed.

Both right-handed and left-handed models of Eye-Com are available.



Product Name: Eye-Com Board

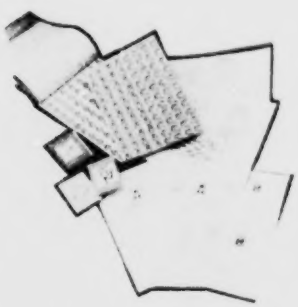
Vendor: Imaginart Communication Products

Size: 15" x 19" x 0.125"

Cost: $39.95

Eye-Com Board is a clear acrylic board inserted in a wooden stand. User-specifiable symbols are affixed to the board, and the user and the person with whom he is communicating sit on opposite sides of the board. The user's message is "read" by following his eye gaze. Eye-Com Board can be used for communication when pointing is not feasible, or for training augmentative communication skills.

Options available for the Eye-Com Board include a pack of 5 blank overlays ($14.50) and a Pocket Overlay with eight pockets for holding pictures or three-dimensional objects ($11.50).



Product Name: Food Kit

Vendor: Mayer-Johnson Company

Size:

Cost: $29.00

The Food Kit is a group of materials designed for teaching basic language skills using the Picture Communication Symbols (PCS). The kid focuses on 53 common food and drink nouns, persons, and the verbs "like," "don't like," "eat," and "drink." Included are either 44 or 88 stamps for each symbol, two decks of 54 playing cards with 2" versions of the picture symbol set, masters of duplicable worksheets, large stimulus cards to promote discussion of themes, suggestions for adapting materials, masters of symbols, "people" symbols to be customized to represent clients, blank food container shapes to allow clients to create symbols, and instructions for conducting suggested activities.

Product Name: Foto Series

Vendor: Communication Development Products, Inc.

Size: 4" x 5" a piece

Cost: $49.95 per set

The Foto Series is a set of cards containing color prints. The Foto Series may be used for communication or in language training activities. Three sets, "Foto Foods," "Objects/Occupations," and "Foto Actions" are available. Each set consists of approximately seventy cards, each stored in clear plastic sheets in a three-ring notebook.

Product Name: Help Me to Help Myself

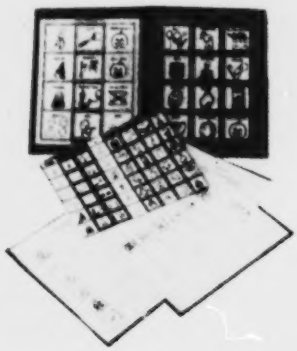
Vendor: Help Me to Help Myself Communication Aids

Size: 4.25" x 5.5"

Cost: $5.00

Help Me to Help Myself is a 50-page word and picture booklet printed on heavy stock paper and loose leaf bound. Each page of the booklet contains a line drawing of a function or object as well as the accompanying word in block and cursive letters. The user points to the appropriate item or need illustrated to convey messages. Pages in the Help Me to Help Myself booklet are color-coded to aid the user in the selection process. Supplemental charts are also available (contact manufacturer). A full alphabetic display for message spelling is also included.

Price includes postage.



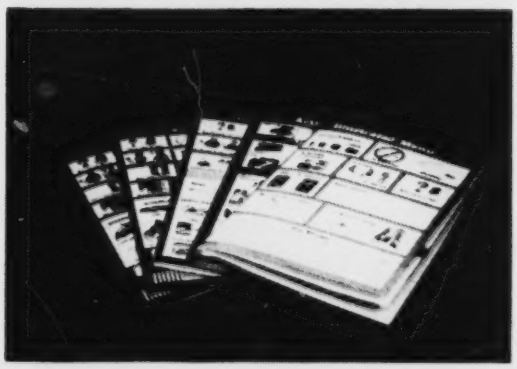
Product Name: Holiday Kit

Vendor: Mayer-Johnson Company

Size:

Cost: $29.00

Holiday Kit is a set of boards, using the Picture Communication Symbols (PCS), intended to motivate spontaneous conversation about holidays and other special days. Pre-made boards in 1" and 2" sizes are included for Christmas, New Years Eve, Easter, birthdays, Halloween, Mothers Day, Fathers Day, Thanksgiving, and Valentines Day. Duplicable symbol masters are included for the above holidays, plus Labor Day, July 4, St. Patrick's Day, six Jewish holidays, Memorial Day, Presidents Day, April Fools Day, Veterans Day, and Martin Luther King Day. The symbol masters include over 250 symbols, 130 of which are not in Picture Communication Symbols Book 1 or 2 (see entry). Blank 1" and 2" color-coded boards (six of each), a vinyl folder, an information sheet about each special day, and two reproduceable worksheet masters (one to be filled in before a special day and one to be filled in afterwards) are also included.



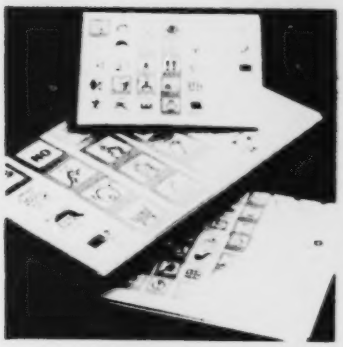
Product Name: Illustrated Menu

Vendor: Attainment Company

Size:

Cost: $12.00

Illustrated Menu is a picture menu to help the user with food and beverage selection. The product has over 200 pictures of various foods and beverages as well as important key phrases (such as "Where is the rest room?") and a tip finder. The Illustrated Menu contains several pages to flip through and all are laminated so that they can be written on.



Product Name: Individualized Communication Systems

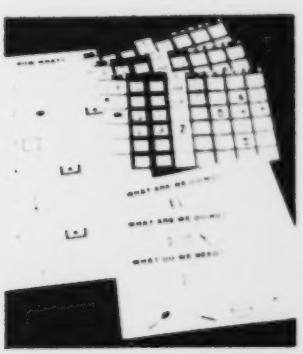
Vendor: Mayer-Johnson Company

Size: 8.5" x 11" or 11.75" x 19"

Cost: $19.00 - $29.00

Individualized Communication Systems are plastic boards with clear vinyl pockets one or two inches square. The boards are designed to aid teachers and therapists in training non-vocal persons to use picture symbols, and are not intended to be used as a long-term communication system. Communication symbols of any kind can be placed in the pockets, and a clear, non-glare plexiglass cover snaps on top. Each Individualized Communication System package comes with seven colors of card stock paper on which to mount communication symbols.

Individualized Communication System boards come in three types: an 8.5" x 11" board with 1" pockets, a 11.75" x 19" board with 1" pockets, and an 11.75" x 19" board with 2" pockets.



Product Name: Life Experiences Communication Kit

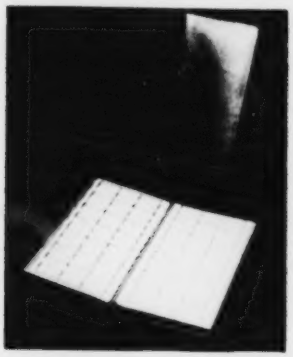
Vendor: Mayer-Johnson Company

Size: 8.5" x 11"

Cost: $39.00

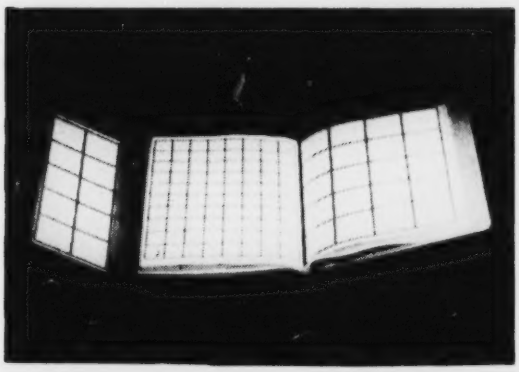
Life Experiences Communication Kit provides the materials for an instructor to teach 11 separate lessons in daily life experiences to non-speech or limited speech students. The lesson plans included cover such activities as "Make Juice," or "Wash Face," or "Go Restaurant." Each lesson comes with an 8.5" x 11" Mini Communication Board with the appropriate color-coded Mayer-Johnson Picture Communication Symbols (a total of six boards; some are for more than one lesson), a step-by-step Picture Direction Sheet for the student, and an instruction sheet for the teacher.

Additional boards and symbols are available at extra cost.



Product Name: Long Wallet
Vendor: Mayer-Johnson Company
Size: 4" x 8.5"
Cost: $8.00

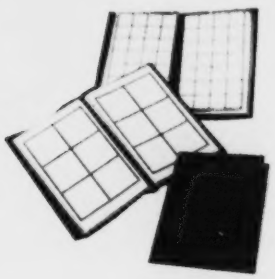
The Long Wallet is designed to carry up to 576 one inch communication symbols. This product has twelve clear, non-glare, top loading pages. The Wallet comes with a grommet so that it can be attached to a belt with a strap or clip; it also fits into a back pocket or purse.



Product Name: Mega-Book
Vendor: Mayer-Johnson Company
Size:
Cost: $18.00

The Mega-Book is a full size folder designed to hold communication symbols. The book contains twelve top loading sheets seamed into it which can hold one or two inch symbols. Each of the clear cover sheets has an 8-1/2" x 11" display area. The total capacity of the book is 2,320 one inch symbols or 580 two inch symbols. The book contains an additional half page cover to be used for displaying common vocabulary.

Grids can be used in the Mega-Book but must be purchased separately.



Product Name: Mid-Sized Communication Book

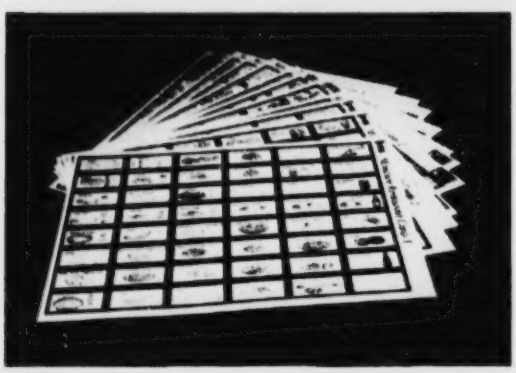
Vendor: Mayer-Johnson Company

Size:

Cost: $9.00

Mid-Sized Communication Book is a 5.13" x 6.75" vinyl covered folder to accommodate 624 one-inch or 156 two-inch communication symbols. Twelve non-glare vinyl page covers are included. The vinyl resists the transfer of toner copying ink from photocopied communication symbols.

Replacement grids are available; contact manufacturer for details. The books also include a grommet for attachment to a belt clip or strap.



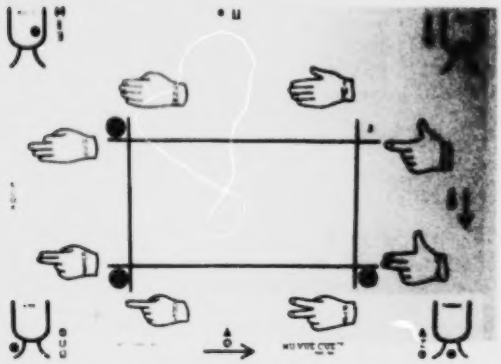
Product Name: Mini Picture Set

Vendor: Attainment Company

Size:

Cost: $25.00

Mini Picture Set is a group of communication symbols which may be used for making communication boards or illustrated lists. The symbols are in black and white so that they may be photocopied. There are twelve pages with a total of 576 symbols. Symbols are grouped on pages according to subject area; topics include: daily routine, shopping, restaurants, and choices for planning the day.



Product Name: Nu-Vue-Cue

Vendor: R.D. Clark, Inc.

Size: 15" x 20"

Cost: $25.00 - $125.00

Nu-Vue-Cue is a clear plastic eyegaze communication system. The system is divided into eight sections: the user looks at different sections in sequence in order to select one of the forty basic phonetic sounds. Each of the sounds is represented by symbols called cue scripts, which combine eight hand symbols with four facial positions. The person receiving the message sits on the other side of the board, facing the user, and translates the accumulated phonemes into words and phrases. The user and the message receiver may maintain eye contact throughout the process, and as the system is learned, the user and the receiver may communicate without the presence of the plexiglas board.

Price of system depends on how many of the components are needed by the user; the plexiglass board is $50.00, an explanatory book for the system is $25.00, and Apple disks which train both the Nu-Vue-Cue system and Standard Cued speech are $50.00. Videotapes are also available to help teach the system. Contact manufacturer for details.

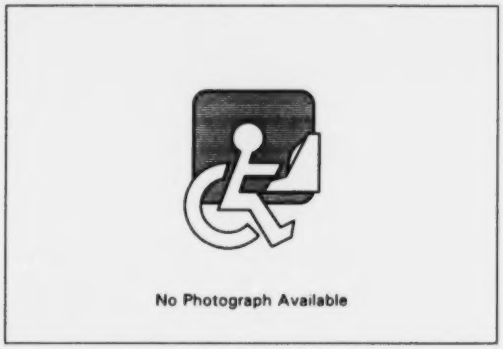
Product Name: Oakland Schools Picture Dictionary

Vendor: Oakland Schools-Communication Enhancement Center

Size: 0.5", 1", or 2" squares

Cost: $45.00

The Oakland Schools Picture Dictionary is a collection of over 600 simple line drawings which may be used for communication or language training. Three sizes of drawings are provided: half inch, one inch and two inch. An alphabetical and categorical index is provided so that symbols may be located quickly.



Product Name: Object-Picture Talk Board

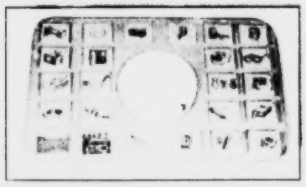
Vendor: Crestwood Company

Size: 5.75" x 6.75"

Cost: $31.95 - $55.95

Object-Picture Talk Board is a communication board that uses objects and models of objects. The plastic board provided is washable, so names of objects can be written in water soluble marker. Objects can be mounted securely to the board with Dual Lock Tape. Objects provided include: watch, TV, toilet, phone, food, and so forth.

The complete Object-Picture Talk Board Kit ($55.95) includes the board, 17 objects, 17 corresponding picture cards, a storage pail for the objects, Dual Lock Tape, and a water-soluble marker. The objects, cards, and pail are also available separately ($32.95).



Product Name: Opticommunicator

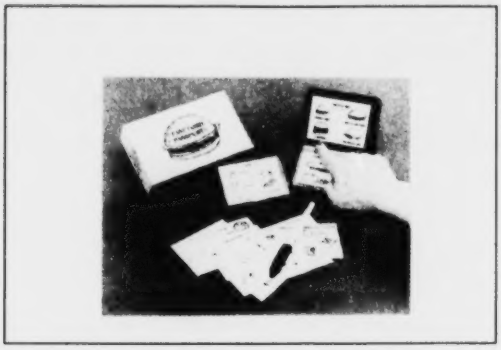
Vendor: Crestwood Company

Size: 11" x 17.5"

Cost: $49.95 - $69.95

Opticommunicator is an eyegaze communication device made of transparent acrylic. The user makes selections by gazing at the location of the desired letter, word, or picture on the Opticommunicator. The receiver sits directly across from the user and watches the direction of the user's gaze through an open space in the center of the clear board.

Three models are available. The Opticommunicator ($49.95) includes 246 picture stickers. Opticommunicator Maxx ($69.95) has interchangeable overlays. Object Communicator ($56.95) holds 4 objects and corresponding pictures. A floor stand ($82.95) and table stand ($31.95) are also available.



Product Name: Passport Kits

Vendor: Crestwood Company

Size: 4" x 3.25"

Cost: $17.95 - $43.95

Passport Kits are versions of the small Porta Book portable communication book (see entry, Crestwood Company) provided with pictures appropriate to of fast food items. The user can communicate by opening the book and pointing to the desired item, or by circling items ahead of time using a water-soluble marker on the clear vinyl that covers each page. Nine kits are available: Fast Food Passport ($17.95 with 44 cards); Personal Needs Passport ($17.95 with 47 cards, available for either males or females); Recreation Passport ($32.95 with 225 cards); Supermarket Shopping Passport ($43.95 with 315 cards); Casual Dining Passport ($22.95 with 135 cards); Shopping Center Passport ($37.95 with 270 cards); School Passport ($32.95 with 225 cards); Drug Store Passport ($27.95 with 180 cards); and VIP Phone Passport ($11.95 with 50 cards).

Passport Kits includes the small (4" x 3.25") Porta Book, picture cards, dividers, a water-soluble marker, and a storage case. Extra markers and page clips are available.

Product Name: PCS Color Stickers

Vendor: Mayer-Johnson Company

Size: 0.75" square

Cost: $24.00

PCS Color Stickers are versions of the Mayer-Johnson Picture Communication Symbols printed as peel-and-stick stickers. The stickers are available in a 3/4" square size only. The backgrounds are printed in six different colors, according to topic. The set includes two copies each of 560 of the most commonly used PCS vocabulary items from Picture Communication Symbols, Book I and Book II (see entry).

Product Name: PCS Stamps

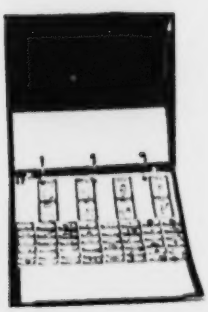
Vendor: Mayer-Johnson Company

Size: 1" square

Cost: $29.00 - $44.00

PCS Stamps are versions of the Mayer-Johnson Picture Communication Symbols printed as lick-and-stick stamps. They are available in a one-inch square size only.

Four different sets are available, containing 4-12 copies of each of 1,100 symbols. Book I Black on White Stamps ($29.00) contains a total of 5,400 stamps (700 symbols). Book I Color-Coded Stamps ($34.00) contains the same number, color-coded by topic. Book II Black on White ($39.00) contains 9,100 stamps (over 1,100 symbols), as does Book II Color-Coded ($44.00).



Product Name: PEACEbook

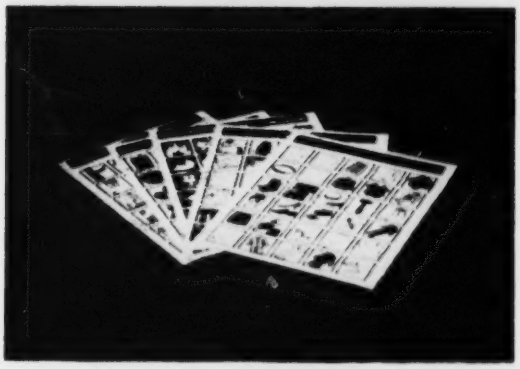
Vendor: TIGER Communication System, Inc.

Size: 9" x 8" x 2"

Cost: $85.00

PEACEbook is a picture communication book. The book is a three-ring binder with 66 laminated pages of color-coded symbols with corresponding words. The user can point to tabs to select a subject page, and by pushing down on the tab and then flipping up, open the book to that page of symbols. Pages can be removed and used as small communication boards or overlays for expanded keyboards. PEACEbook includes TIGER Language Symbols, a supplemental label set providing 1,340 additional picture symbols.

PEACEbook is also available with an add-on voice output keyboard at additional cost; see separate product descriptions for PEACEKEYPER, Peacemaker and Specialist.



Product Name: Pick 'n Stick Color Micros

Vendor: Imaginart Communication Products

Size: 4.5" x 3.5"

Cost: $39.95

Pick 'n Stick Color Micros are 5/8" square color symbol stickers with an adhesive backing. The package includes pictures found in Pick 'n Stick Color Packs A and B (see entry), as well as stickers designed to represent abstract ideas. Blank stickers are also included. The stickers can be attached to communication aids or other electronic devices.

The package includes 23 4.5" x 3.5" sheets, with 30 stickers per sheet.

Product Name: Pick 'N Stick Color Packs

Vendor: Imaginart Communication Products

Size: 1.5" square

Cost: $7.95 - $73.95

Pick 'N Stick Color Packs are full-color symbol stickers with adhesive backing. Each sticker is 1.5" square and contains a colored drawing indicating some message or unit of a message to be communicated. Pick 'N Sticks are designed to be adhered to communication aids, communication boards, notebooks, and electronic device overlays. The stickers come in sheets of 30, categorized by subject.

Pick 'N Sticks are available in four packages: Color Pack A ($36.00, 420 stickers) includes: Feelings, Family and Friends, At Home (Rooms and Spaces), Common Activities, Events, Places, Common Items, Toys, Clothing, Transportation, Food, Health, Emergency, and Miscellaneous. Color Pack B ($19.00, 180 stickers) includes: Common Activities, Spatial Concepts, Plurals, Opposites, Body Parts, Occupations, and Animals. Color Pack C ($27.00, 240 stickers) includes: more Common Items and Activities, Kitchen Chores, school and work related images, and more. Packs A, B, and C together are $73.95. The Pick 'N Stick Duplipack ($7.95, 60 stickers) contains two or three duplicates each of common simple message symbols: eat, drink, sleep, happy, sad, and so on. All packs contain some blank stickers for making custom symbols.

Product Name: Pick 'N Stick Fast Food

Vendor: Imaginart Communication Products

Size: 1.5" square

Cost: $14.50

Pick 'N Stick Fast Food Packs are full-color symbol stickers with adhesive backing. Each sticker is 1.5" square and contains a colored drawing indicating some message or unit of a message relevant to ordering in a fast food restaurant. Symbols are included for standard fast food chains and standard food orders (burgers, fries, salads, coffee, burritos, etc.) Pick 'N Sticks are designed to be adhered to electronic communication aids, communication boards, notebooks, etc. The stickers come in sheets of 30 (120 stickers total).

Product Name: PICSYMS Categorical Dictionary

Vendor: Poppin and Company

Size: 1.25", 2", or 2.75" squares

Cost: $35.00

PICSYMS Categorical Dictionary is a collection of simple line drawings with accompanying words bound together in a volume. The symbols are printed on three different size grids: one with 1.2" squares, one with 1.9" squares, and one with 2.6" squares. Each of the three sets consists of over 800 symbols grouped by categories. The pages are printed on both sides, but may be copied if the user wishes to cut them up for placement on communication boards. PICSYMS are pre-printed symbols which are designed to be augmented with hand drawn symbols. Instructions and suggestions for drawing and using the symbols are provided in the volume's introduction.

PICSYMS are also available on card stock, ready to be cut up for placement on communication boards. Prices are $10.00 for small cards, $15.00 for regular cards, and $20.00 for large cards.

Product Name: Picture Communication Symbols, Books I, II & III

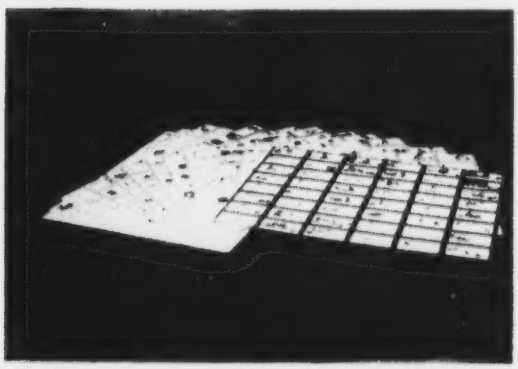
Vendor: Mayer-Johnson Company

Size: 1" or 2" squares

Cost: $45.00 - $49.00

Picture Communication Symbols, Books I, II, and III are three sets of pages of black-and-white line drawings on one- and two-inch squares. Each drawing is labeled with a word; some more abstract concepts are simply represented by a word. The pages are intended to be photo-copied and cut apart so that the separate symbols can be used in non-vocal communication systems such as communication boards.

Book I contains over 700 different communication symbols, and comes with a starter guide illustrating the basics of making communication boards. Book II is a supplement to Book I, which contains 1,100 additional symbols, featuring such topic areas as fast food restaurants, religion, sexuality, computers, and conversational discourse phrases such as "please repeat." Book III supplements the other books with an additional 1,400; it gives theme sections (such as playing games, shopping, etc.), holidays, brand names, story characters, fast food logos and items, and more communication facilitating symbols.



Product Name: Picture Prompt Stickers

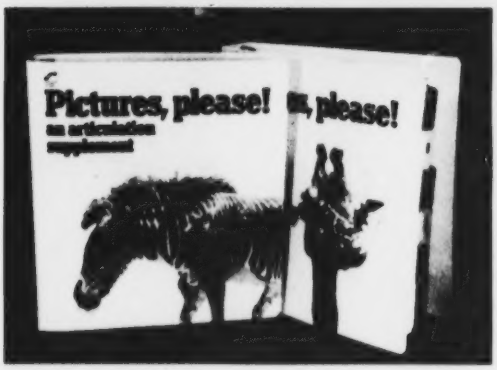
Vendor: Attainment Company

Size:

Cost: $59.00

Picture Prompt Symbols are vinyl communication symbols for making communication boards or illustrated lists. There are 576 symbols which depict activities, objects, and situations; some topics included are shopping, housekeeping, restaurants, and daily planning. The symbols are on twelve vinyl sheets with 48 on each.

Three 4" x 6" display boards, three sticker booklets, carrying case, and directions are included.



Product Name: Pictures, Please!

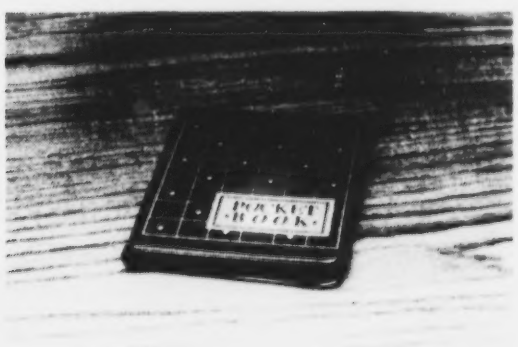
Vendor: Communication Skill Builders

Size: 8.5" x 11"

Cost: $45.00

Pictures Please! is a set of reproducible line illustrations for either language or articulation activities. The pictures are large black and white drawings on pages in a three-ring binder, which can be easily reproduced and used for games, flashcards, drills, or communication boards. Pictures Please! A Language Supplement has 1,232 illustrations on 224 pages which are arranged according to five major parts of speech: nouns, verbs, prepositions, pronouns, and modifiers. Entries are coded and cross-referenced for teaching various semantic and syntactic language concepts. Pictures Please! An Articulation Supplement has 1,242 pictures on 290 pages arranged for 43 different sounds, emphasizing sounds and blends that are common areas of difficulty such as /sh/, /ch/, and /r/.

The Language and Articulation Supplements are both sold separately for $45.00 each, or as a set for $79.00. Each set includes instructions, planning and activity sheets that are also reproducible.



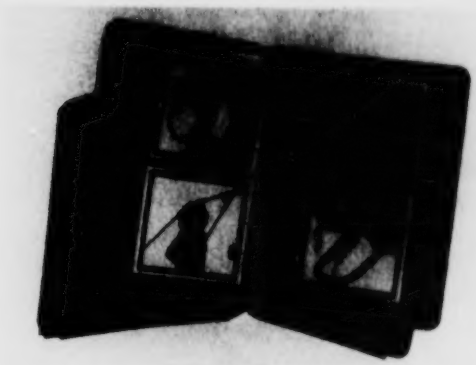
Product Name: Pocket Book

Vendor: Attainment Company

Size:

Cost: $9.00

Pocket Book is an organizing case for communication symbols. The case has plastic pockets to hold the symbols and they arranged on pages like a book. The pockets are designed to hold symbols from other Attainment Company products; check other entries for symbol sizes.



Product Name: Pocket Picture Holder

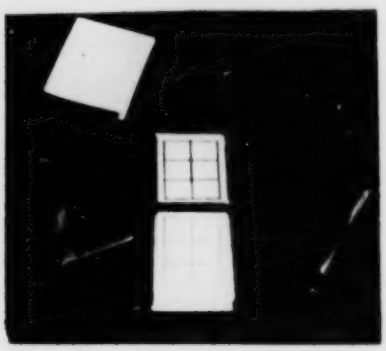
Vendor: Imaginart Communication Products

Size: 4.5" x 3"

Cost: $7.95

Pocket Picture Holder is a pocket-size notebook designed to hold communication symbols. Two 1.5" square symbols will fit on each vinyl page. The book can hold up to 64 1.5" square symbols. Different color cards (included) can be inserted as background in order to color code pages of symbols. A card is also provided which contains ID information and an explanation to the "listener" about the purpose of the symbol book.

Symbols must be purchased separately.



Product Name: Pocket-Sized and Double Pocket-Sized Communication Book

Vendor: Mayer-Johnson Company

Size: See text

Cost: $3.00 - $5.00

Pocket-Sized Communication Book is a small (3.2" x 4.2") vinyl covered notebook able to hold 144 one-inch symbols. Double Pocket-Sized Communication Book measures 4" x 5.38" and can hold 288 one-inch symbols. Communication symbols can be affixed to the pages of either book; the pages come with clear, non-glare vinyl protectors that resist the transfer of toner copying ink from photocopied communication symbols.

Additional grid pages are available (extra). The books also include a grommet for attachment to a belt clip or strap.

Product Name: Porta Book

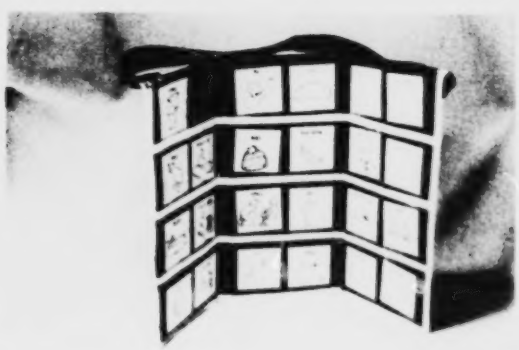
Vendor: Crestwood Company

Size: See text

Cost: $65.50 - $10.95

Porta Book is a folding communication aid that contains picture symbols and their corresponding words. Porta Book is available in four sizes. The Small Porta Book ($6.50) holds up to sixteen picture cards (4" x 3.5"); the Standard Porta Book ($8.95) holds up to 24 picture cards (4" x 3.5"); the Large Porta Book ($10.95) holds up to 36 picture cards (9" x 4.5"); and the Deluxe Porta Board ($8.95), a sturdy lightweight board, holds two large symbol sheets, one on each side.

Large page clips (extra), to aid in turning pages, are available for the Porta Books.



Product Name: Portable Communication Boards

Vendor: Don Johnston Developmental Equipment

Size: 15.5" x 7.5"

Cost: $22.50 - $35.75

Portable Communication Boards are folding communication systems designed for organizing picture symbol cards. Two sizes are available: one holding 48 cards, the other holding 16. The larger tri-folder communication board measures 15-1/2" x 7-1/2" while folded, and 15-1/2" x 22-1/2" when open. The smaller version of the board measures 15-1/2" x 7-1/2". Spaces are designed to hold communication cards of up to three inches square.

Product Name: Practice Communication Cards

Vendor: Mayer-Johnson Company

Size: 5" x 7"

Cost: $24.00

Practice Communication Cards are 5" x 7" notecards with a line drawing on the front and a target word on the back. The cards are designed to be used as flash cards, i.e., the instructor shows the student a card, and the student tries to make the target response. A set consists of 135 cards that test 42 words commonly used on communication boards. Instructions and suggestions are included.

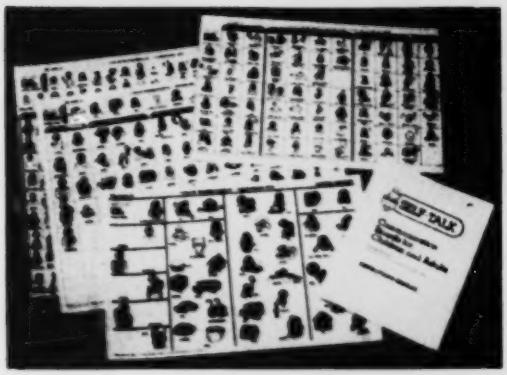
Product Name: Select-A-Meal and Shopping Cards

Vendor: Attainment Company

Size:

Cost: $45.00 per set

Select-A-Meal (formerly Restaurant Cards) and Shopping Cards are two sets of 3.5" x 2" full-color laminated cards that can be inserted in a card case (included) and carried to the restaurant or store. Select-A-Meal ($45.00) includes 144 cards in nine color-coded menu categories (dinner, side dishes, beverages, condiments, etc.) and an Illustrated Menu. Shopping Cards ($45.00) includes 240 cards of food items, clothing, household, and personal care items. Also included are markers which can be used for writing specifics (flavor, brand, etc.) on the card; these markings can be wiped off.



Product Name: Self-Talk Communication Boards

Vendor: Communication Skill Builders

Size: Various

Cost: $29.95

Self-Talk is a set of five communication boards containing colored picture symbols. The vocabulary on the boards is developmentally sequenced, from early preschool level through adult. Vocabulary on the first four boards is cumulative. Each board includes blank spaces where individual symbols or words may be added. The boards are made of a flexible, vinyl-like material.

The set consists of: one 11" x 17" board, one 15.5" x 20" board, two 17" x 22" boards, and one 19" x 22" board. The package includes a seven-page instruction manual. Individual sets are also available separately.

Product Name: Self-Talk Stickers

Vendor: Communication Skill Builders

Size: 9" x 12"

Cost: $49.00

Self-Talk Stickers are stickers that are enlarged versions of the pictures and words used on levels 1 through 5 of the Self-Talk Communication Boards (see entry). Each sticker is 1.5" x 2"; 441 different stickers are included. The packages consists of two sets of 13 full-color sticker sheets and one set of black and white sticker sheets. Each sheet shows picture stickers with smaller word stickers below each picture. Blank stickers are included for personal drawings, photographs, or other pictures.

Product Name: Talking Pictures Communication Board

Vendor: Crestwood Company

Size: 11" x 17.25"

Cost: $31.95

Talking Pictures Communication Board is a portable communication board that comes with nearly 200 symbol stickers and fifty blank stickers from which a vocabulary may be developed. The Talking Pictures Communication Board may have symbols applied to both sides, and two heavy vinyl envelopes to hold the board are provided.

Product Name: Talking Pictures, Kits I, II, and III

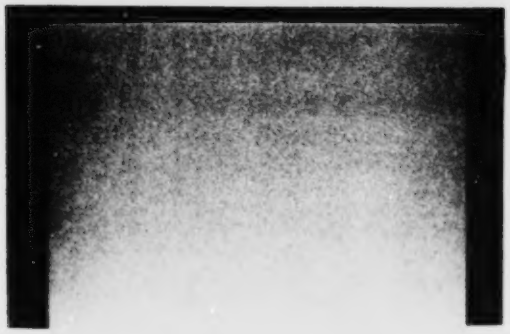
Vendor: Crestwood Company

Size: 2.5" x 3.75"

Cost: $24.95 - $41.95 each

Talking Pictures, Kits I, II, and III are sets of cards with a word and line drawing, organized by different categories of living needs. Kit I - Survival Living Needs is a set of 115 picture cards divided into eight classifications of living needs (room, bathroom, health, aids, food, clothing, people, and miscellaneous). Stickers from this kit are available for $7.95. Kit II - Community Living Needs is a set of 220 cards in nine categories (people, transportation, places, interests, money, signs, weather, school/office equipment and activities). Kit III - Daily Living Needs is a set of 220 cards divided into eleven classifications (parts of home, furniture, kitchen, clothing, grooming, food and beverages, fruits and vegetables, home activities, communication, and outside the home). On the reverse of each card in each kit, the words are listed in five languages: English, Spanish, German, French, and Italian.

Included are 10-20 vinyl envelopes on a metal ring, and a vinyl cord to secure the picture set to a bed or wheelchair. Kit I is $26.50 - $33.95 and Kits II and III together are $79.95.



Product Name: Touch 'N Talk Communication Board

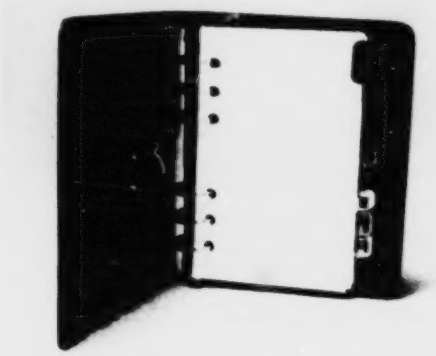
Vendor: Imaginart Communication Products

Size: 11.25" x 14" or 14.5" x 19"

Cost: $15.00 - $22.95

Touch 'N Talk Communication Board is a rigid, waterproof, white plastic board. Touch 'N Talk stickers or other user-specifiable symbols can be affixed to the board for direct-selection communication through pointing. The board can also be written on with a water-based marking pen.

Touch 'N Talk Communication Boards are available in two sizes. Transparent slip-on vinyl covers are available for both (extra). A Touch 'N Talk Tote Board, the same basic design but with a built-in handle, is also available in the same two sizes.



Product Name: Touch 'N Talk Communication Notebook

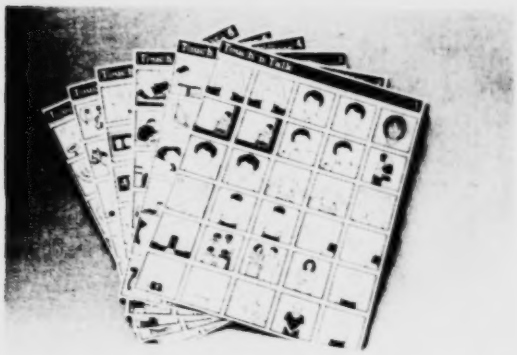
Vendor: Imaginart Communication Products

Size: 7.38" x 5.75"

Cost: $18.50 - $29.95

Touch 'N Talk Communication Notebook is a small looseleaf binder with blank pages. User-specifiable symbols such as Touch 'N Talk stickers can be affixed to the pages for communication through pointing. Sections are separated by dividers with color tabs on them. Each tab contains a graphic symbol for a category of message (food, people, feelings, etc.).

Extra blank pages ($3.50 each) and notebook page protectors ($14.95 each or $29.95 for twenty protectors and the Notebook) are available for the Touch 'N Talk Communication Notebook.



Product Name: Touch 'N Talk Communication Stickers

Vendor: Imaginart Communication Products

Size: 1.5" x 1.5" each

Cost: $13.50 - $33.95

Touch 'N Talk Communication Stickers are 1.5" square stickers, each containing a black-and-white drawing suggesting some message or unit of a message to be communicated. The adhesive on the back of the stickers is made to adhere to surfaces such as communication boards. One set contains 420 stickers, divided into categories such as feelings, family and friends, clothing, etc. Doubles are provided of the most commonly used symbols.

The basic sticker set is $24.50. A Touch 'N Talk Supplement of an additional 180 stickers is also available for $13.50. Both sets together are $33.95.

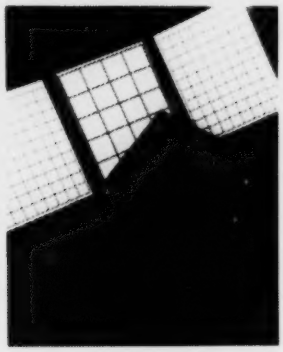
Product Name: Touch 'N Talk Micros

Vendor: Imaginart Communication Products

Size: 0.6" x 0.6" each

Cost: $27.95

Touch 'N Talk Micros are smaller (5/8" square) versions of the Touch 'N Talk Communication Stickers designed to be affixed to the overlays of electronic communication devices. These stickers can be used to indicate which keys have been programmed to speak an entire word or phrase. Included in the 660-sticker set are Touch 'N Talk Symbols: specific graphic symbols that can be used to identify broad categories or abstract ideas.



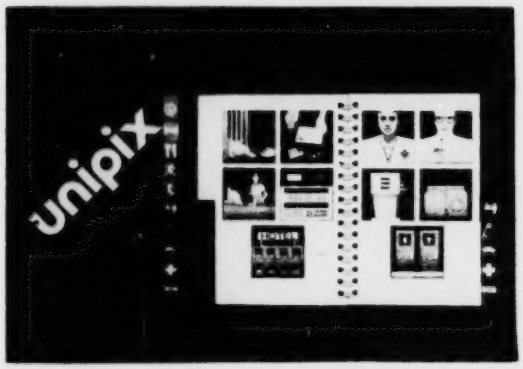
Product Name: Tri-Folder

Vendor: Mayer-Johnson Company

Size:

Cost: $9.00

Tri-Folder is a portable, fold-out communication board. The product has three panels which have non-glare plastic covering and open out to 29 1/2" by 11 5/8". The panels are double-sided and have space for six 8 1/2" by 11" grids. These grids hold either one or two inch communication symbols. Eight grid sheets are provided.



Product Name: Unipix

Vendor: Imaginart Communication Products

Size: 4.5" x 6"

Cost: $9.95

Unipix is a spiral bound 58-page notebook containing 265 color illustrations to be used for communication when traveling. These 1.5" square pictures pertain particularly to common messages that individuals need to communicate in order to cope with their environment. Sections of the Unipix book are marked by color tabs labeled with graphic symbols.

Product Name: Zoo Kit

Vendor: Mayer-Johnson Company

Size:

Cost: $29.00

The Zoo Kit is a group of materials designed for teaching basic language skills using the Picture Communication Symbols (PCS). The kit focuses on 53 zoo animal nouns, descriptors, and verbs. Included are either 44 or 88 stamps for each symbol, two decks of 54 playing cards with 2" versions of the picture symbol set, masters of duplicable worksheets, large stimulus cards to promote discussion of themes, suggestions for adapting materials, masters of symbols, and instructions for suggested activities.

Chapter 5

Electronic Communication and Writing Aids

This chapter contains dedicated electronic conversation and writing aids. Aids must allow at least 32 distinct selections (enough for the alphabet and a few controls) in order to be included; otherwise they appear in Chapter 3, Training and Communication Initiation Aids. Software programs that are sold separately from their computers (i.e., not packaged as a whole with the computer) are not listed here, but appear in Chapter 22, Personal Tool or Aid Software. Computers and software that are sold only as a complete package and are designed specifically for communication are listed here. If you want to locate all of the products that are designed for communication (in this chapter and in Chapters 3 and 22), look in Index 1 under the function "Conversation/Interaction."

Other related functions in Index 1 include: Conversation/Interaction (CI), Portable Writing (PW), Alternate Input to a Computer (TI or TW), Word Processing (WP), and Environmental Control (EC).

Several appendixes provide additional useful information. Appendix C lists Service Centers for Augmentative Communication and Computer Access; Appendix B lists Newsletters and Journals, Books and Pamphlets, and Videotapes on Augmentative Communication and Computer Access.

The following product entries appear in this chapter:

A.I.P.S. Wolf (Alternate Input Peripheral System), *97*
AudScan II, *97*
Canon Communicator CC-7S and CC-7P, *98*
Control Without Keyboards, *98*
Crestalk, *99*
DAC, *99*
DigiVox, *100*
Dvorak One-Hand Typewriter, *100*
DynaVox, *101*
Electronic Speech Synthesizers, *101*
Equalizer, *102*
EvalPAC with RealVoice, *102*
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Eyegaze Computer System, *103*
FreeComm, *104*
GEWA Polycom, *104*
Handy Speech Communication Aide, *105*
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Macaw, *109*
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Message Maker, *111*
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Porta-Voice II, *112*
Portable Typewriters and Handheld Computers, *113*
Quick Talk, *113*
RealVoice, *114*
Say It, *114*
Say-It-All II Plus, *115*
Say-It-Simply Plus, *115*
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Scan-It-All, *116*
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Typewriters for the Visually Impaired, *123*
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T-TAM Keyboard and Mouse Emulator, *393*
Talking Symbols, *757*
TIGER Jr., *52*
ViewKey, *765*
Yes-No Voice Box, *59*

The following products from other chapters can also be used as Electronic Communication or Writing Aids:

Help U Type and Speak, *735*

Product Name: A.I.P.S. Wolf (Alternate Input Peripheral System)

Vendor: Wayne County Regional Education Service Agency

Size: 14.5" x 10" x 2.75"

Weight: 2 lbs. 15 oz.

Power Source: Rechargeable batteries

Cost: $500.00

A.I.P.S. Wolf is a portable communication aid with synthesized voice output. The aid can be activated by using either the built-in touch panel or by selecting with up to nine single switches. The nine switch jacks are arranged to correspond with the touchpanel functions. The aid features four memory sections. The fixed memory section has a capacity of 500 words, the user section can store 800 words, and the other two sections can be left blank and extra fixed or user sections later added.

Switches are not included; switch jacks are standard 1/8" size.

Product Name: AudScan II

Vendor: Words+, Inc.

Size:

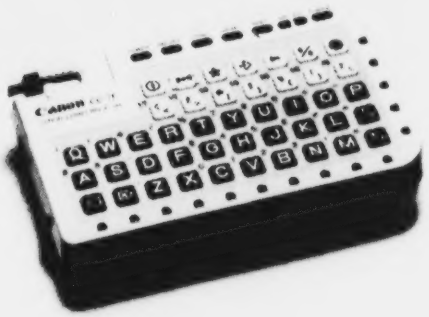
Weight:

Power Source:

Cost: $1,395.00

AudScan II is a computer software program that allows a laptop computer to be used as an electronic communication aid with auditory scanning. Pressing the ESC key pops up a main menu; a letter corresponding to the desired menu option is then pressed. Four levels of scanning are provided. The top level is contexts, which are general categories (e.g., "Mealtime," "Television"). Up to 25 contexts may be set up; it is then possible to select only the ones needed at a given time. Below each context is a set of categories (e.g., appropriate categories under Mealtime would be "Food," "Drink," and "Cleanup"). The next level is Cue Words (which for Drink might be "Milk," "Coke," or "Juice"). Finally, Cue Words are used to select the spoken Phrase associated with that word--e.g., selecting Milk might elicit the sentence "May I have some milk, please?" Two, three, or all four levels may be used for any set of vocabulary. Different contexts may be set up and saved for different users. An on-line help feature is included, and a full-screen Exception Table is included under the Voice Menu.

Any serial port speech synthesizer may be used with AudScan II.



Product Name: Canon Communicator CC-7S and CC-7P

Vendor: Canon U.S.A., Inc.

Size: 7" x 4.19" x 1.44"

Weight: 17.7 oz. - 18.75 oz.

Power Source: Rechargeable battery

Cost: $850.00 - $1,100

Canon Communicator CC-7S and CC-7P are portable communication aids. The CC-7P uses a small keyboard for input and has a single-line strip printer for output. The CC-7S also uses the same keyboard and printer, but in addition offers the option of input through single-switch scanning and output through voice. The voice output allows up to 240 seconds total of pre-recorded (digitized) speech, segments of which can be stored for each of the 26 letter keys on the keyboard. Either model allows the user to store up to 7,000 characters worth of messages in memory. A message is recalled by pressing a key on the keyboard. Both models include a built-in calculator and an alarm buzzer key to signal for attention. Printing on the strip printer can be printed in an enlarged size (double width). Both Canon Communicators comes with "memory mates" picture stickers to allow the keys to be labeled for non-spellers.

Options include wheelchair attachment, arm belt, keyguard, saliva guard, external switch, cable for connecting external audio amplifier, and interface cable for transferring memory between Canon Communicators.

Product Name: Control Without Keyboards

Vendor: J. Jordan & Associates

Size:

Weight:

Power Source:

Cost: $169.00

Control Without Keyboards is a software package that can be used in conjunction with the PowerPad to create custom communication aids. An overlay with user-defined symbols is laid on the PowerPad; the desired voice or printed output for each defined area of the PowerPad is then stored on the computer using the Control Without Keyboards program. When the user presses a defined area of the PowerPad, a voice sythesizer speaks the desired word, phrase, etc. A printer can provide output as well. The number of custom keyboards that can be created, stored, and recalled depends on the disks used: One disk will hold five templates.

Control Without Keyboards requires a PowerPad and an Echo II speech sythesizer for operation. A CWK Template Design Kit is available at no charge; return it to the manufacturer with an order and the template defined will be shipped with the software package.

Product Name: Crestalk

Vendor: Crestwood Company

Size:

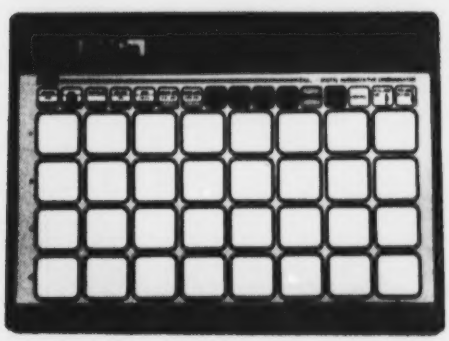
Weight: 9 oz.

Power Source: Batteries

Cost: $129.95

The Crestalk is a small and lightweight electronic communication aid. The user presses alphabetic or numeric keys to convey messages which appear in a small liquid crystal display. The display shows up to sixteen characters per line on a two line panel; longer messages will scroll. The aid has a 20K memory and sentences can be programmed into the device. The Crestalk has a full set of alphabetic keys and a functioning calculator feature.

The aid is battery operated; batteries are included which provide up to five months of continuous use.



Product Name: DAC

Vendor: Adaptive Communication Systems Technologies

Size: 11" x 13" x 2"

Weight:

Power Source:

Cost: $3,295.00 - $3,995.00

The Digital Augmentative Communicator (DAC) is a programmable battery operated communication device with sound output. DAC has 128 keys which can be programmed with a word, phrase, or sentence. The size of the keys can be adjusted by programming each separately or joining several together. The device has memory for up to 8,000 words; the memory is divided into one, two, or four levels allowing access to programs stored on different levels. The information programmed into DAC can be accessed by using pictures and spelling. When the user makes a selection, the character, word, or phrase will be "spoken" and appear on the device's small display screen. Sound output must be programmed into the aid by recording a person's voice and storing it in DAC's memory. The aid is available with 18, 36, or 72 minutes of useable memory for sound output. DAC features a built-in 3 1/2" disk drive as well.

Product Name: DigiVox

Vendor: Sentient Systems Technology, Inc.

Size: 11.62" x 8.87" x 1.87"

Weight: 3.8 lbs.

Power Source: Rechargeable batteries

Cost: $2,150.00 - $2,995.00

Digivox is an electronic communication aid that records and saves spoken messages. The user may record variable message lengths. The device saves the phrases or sentences and plays them back using digitized speech. There are three methods to activate messages: direct selection, visual scanning, and auditory scanning.

The ability to load speech files onto a diskette using an disk drive is an available option. The price of Digivox depends on the length of recording time desired; four and one half, nine, thirteen, or eighteen minutes may be chosen.

Product Name: Dvorak One-Hand Typewriter

Vendor: Typewriting Institute for the Handicapped

Size:

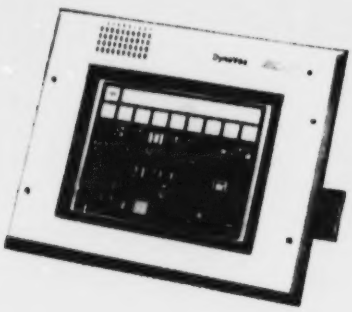
Weight: 49 lbs.

Power Source: 120V AC

Cost: $1,595.00

Dvorak One-Hand Typewriter is an IBM Correcting Selectric III with an altered keyboard layout. The layout used is the Dvorak one-hand layout, which distributes the typing load more evenly amongst the fingers of a one-handed typist than does the standard layout.

An optional device called Shift-Easy Bar is available (extra). Shift Easy Bar allows the typist to hold down the shift key with the thumb or palm while leaving the fingers in the home row.



Product Name: DynaVox

Vendor: Sentient Systems Technology, Inc.

Size: 13" x 11" x 3"

Weight: 10.5 lbs.

Power Source: Rechargeable battery

Cost: $3,995.00

Dynavox (Dynamic Voice Output Communication Aid) is an electronic communication aid with a changeable touch screen display. The user can arrange symbols in any manner on the screen choosing from a built-in vocabulary of either 1,100 or 2,000 words depending on the application software purchased (extra). Symbols can represent one word or phrase; they also can act as "basic category displays" which enable the user to view an entire category by selecting one symbol. Once symbols are depressed on the touch screen they appear at the top of the display in order of choosing. When a pictorial "sentence" of symbols and appropriate text is complete, Dynavox "speaks" the message using DECtalk speech. The device has three keys, "more, "undo," and "modify" which can be used to edit symbolic selections. The built-in memory can store up to 256,000 characters for user vocabularies, symbols, and storage of displays.

No Photograph Available

Product Name: Electronic Speech Synthesizers

Vendor: National Institute for Rehabilitation Engineering

Size:

Weight:

Power Source:

Cost: $1,240.00 - $2,850.00

Electronic Speech Synthesizers are keyboard-operated electronic communication devices. The devices generate synthesized speech output; printed output may be generated as well. Available input configurations include: typing the entire word to be spoken, typing abbreviations which are then expanded by the system, and typing phonetic spellings. A variety of configurations are available in size, weight, keyboard, and operating features; contact manufacturer for further information.

Product Name: Equalizer

Vendor: Words+, Inc.

Size:

Weight:

Power Source: Rechargeable batteries

Cost: $1,395.00

Equalizer is augmentative communication software that incorporates several strategies. A user-modifiable stored vocabulary provides up to 2,750 words. The five most frequently used word endings are provided and may be added to stored words to provide different forms. An adaptive word prediction feature "learns" the user's word patterns; after a word is selected, this feature presents the words most likely to then be used. Word processing and voice output capability are built in; a serial port text-to-speech speech synthesizer or SmoothTalker (extra) is required to use voice output. Access may be accomplished by using a single or dual switch, joystick, mouse, trackball, mouse-emulating pointer (all extra) or by using the arrow keys on the keypad of the computer keyboard. Calculator, drawing, music, and game software are included.

Equalizer works with IBM PC and compatible computers, including some portables. Contact manufacturer for information on purchasing a complete system, starting at $2,935.00, and on environmental control capabilities.

Product Name: EvalPAC with RealVoice

Vendor: Adaptive Communication Systems Technologies

Size: 14.75" x 8.5" x 1.75"

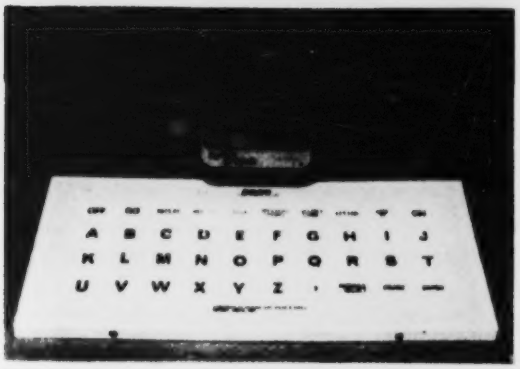
Weight: 8.5 lbs.

Power Source: Rechargeable batteries

Cost: $4,395.00

The EvalPAC is a communication aid that has Adaptive Communication Systems' RealVoice built in. RealVoice is a full-featured, diphone-based voice synthesizer with more natural rhythm and intonation available in either male or female voice. The keyboard may be configured to adjust for user abilities. Additional features include: a text-to-speech capability permitting messages to be typed or selected and spoken or printed; an abbreviation expansion program allowing storage and recall of messages; capability of assigning voice output to single picture selection or picture sequencing of up to 5 symbols; adjustable time delays and volume control; and ability to store programs and vocabulary on tape. Fifteen memory levels are available. Memory capacity is 27,000 characters. The aid can be accessed by direct key, lightpointer, or switch input.

Options include environmental controls, alternative keyboards, and wheelchair mounting systems; contact manufacturer for details.



Product Name: Expanded Keyboards for Speak N' Spell

Vendor: EKEG Electronics Company LTD

Size: 12" x 24" x 0.75"

Weight: 6 lbs.

Power Source: Rechargeable batteries

Cost: $475.00

These expanded keyboards are designed to connect to the Texas Instruments series of talking learning aids. They offer the same selection of keys as the TI devices, but have membrane surfaces and 2" key areas.

Three keyboards are available: the Speak & Read, the Speak & Spell, and the Speak & Math. All come complete with the TI learning aid as well as the keyboard.

Product Name: Eyegaze Computer System

Vendor: LC Technologies, Inc.

Size:

Weight: 80 lbs.

Power Source:

Cost: $20,600.00-$25,150.00

The Eyegaze Computer System is a communication system that is controlled by the use of one eye. Nothing is attached to the user's body. Using a camera and an infrared light source, the computer interprets where the eye is focused on a computer screen. Various options (extra) permit the user to turn on lights and appliances, dial and receive telephone calls, and run most IBM software.

The Basic System ($20,600.00) includes Eyegaze tracking software, an applications software package, a 386 computer with a manual keyboard, 1.2 MB floppy disk drive, 1.44 MB floppy disk drive, a 100 MB hard drive, an infrared-sensitive camera, two monitors, a telephone modem, a surge protector, a monitor support arm, cables, connectors, installation, training, and one year's support. Additional options include a speech synthesizer, dot matrix printer, programmable TV/VCR controller, an X-10 Powerhouse appliance controller (see entry), speaker phone and modem, and a monochrome monitor and stand for operating DOS-compatible software. The price of the system with all options is $25,150.00; contact manufacturer for price of individual options.

Product Name: FreeComm

Vendor: Pointer Systems, Inc.

Size:

Weight:

Power Source:

Cost: $595.00

FreeComm is a software program for use as speech output communication by persons who have difficulty with both speaking and using a keyboard. The program is designed to be used with the FreeBoard keyboard emulator (see entry); it may also be used with a standard keyboard. Messages can be chosen from a library of common phrases or created and stored by the user. Macro capability enables long phrases to be retrieved and spoken with a minimal number of keystrokes, and messages to be repeated upon selection of one key. An on-line help feature is included.

Speech synthesis hardware is required to use FreeComm; an alternative input system is optional. Contact manufacturer for pricing information on purchase of FreeComm with the FreeWheel system.

Product Name: GEWA Polycom

Vendor: Zygo Industries, Inc.

Size:

Weight:

Power Source:

Cost: $2,995.00 - $6,495.00

GEWA Poylcom is battery-operated electronic communication aid which has simple word processing functions and telecommunication capabilities. The device has a keyboard which requires only one hand for input. A display screen, which has five lines and can show up to 100 characters simultaneously, allows the user to make choices from a menu. Polycom can act as a simple word processor and as an electric writing pad. The device has a phrase memory which stores short phrases and sentences which can be recalled using two keys. By using a coupling device (extra), Polycom can be used as a portable text telephone, sending communications over push button telephones and computers.

Prices vary according to equipment options: Polycom alone costs $2,995.00; with Polytalk and American English the price is $5,995.00; with Polytalk, American English, and one other language the cost is $6,495.00.

Product Name: Handy Speech Communication Aide

Vendor: Consultants for Communication Technology

Size:

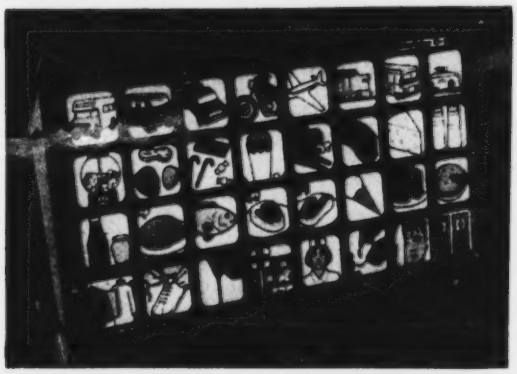
Weight:

Power Source:

Cost: $199.00 - $2,200.00

Handy-Speech (formerly Handi-Speech) is a voice output communication aid system that may be used with either direct or scanning selection of words, phrases, and sentences. The system consists of software, speech synthesis hardware, and a portable, battery-operated laptop computer. Features include: pre-programmed sentences and phrases, ability to store individual programs for multiple users, and Fast Speech Mode. The speech synthesis hardware may also be connected to IBM PC family computers.

The Handy-Speech software is $199.00, the speech synthesizer is $700.00, and the complete system (including battery back and case) is $2,200.00. The system may also be rented; contact manufacturer for details. A Sound Detection switch is available as an option ($99.00), it allows the user to activate the aide by any onset of voicing.



Product Name: IntroTalker

Vendor: Prentke Romich Company

Size: 13" x 7" x 3"

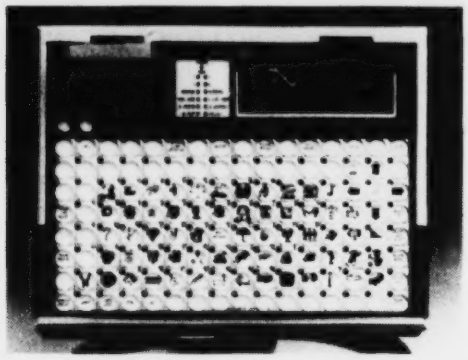
Weight: 5 lbs.

Power Source: Rechargeable batteries

Cost: $940.00 - $1,105.00

IntroTalker is a portable communication and training device with human-quality voice output. The IntroTalker is designed for high-intelligibility speech with a somewhat limited vocabulary. The user presses one or a combination of the IntroTalker's 32 keys and a pre-stored word or phrase is spoken. The words and phrases are stored in the IntroTalker by a speaking person who recites them into the device's microphone. The sounds are recorded digitally and played back when the appropriate keys are pressed. The standard unit includes sufficient memory for two minutes of extended speech or one minute of normal speech. Additional memory can be added to extend the capacity to eight minutes of extended speech. Vocabulary can be accessed using a simplified form of the Minspeak method used on the Light Talker and Touch Talker communication aids (see entries). Pressing keys requires four ounces of force.

Up to three additional memory modules may be purchased, permitting the recording of up to 60 short phrases each. IntroTalker is available in three colors: gray, red, or blue. Models of IntroTalker which have remote switch and scanning capabilities are also available; contact the manufacturer for details.



Product Name: Liberator

Vendor: Prentke Romich Company

Size: 13.75" x 10.38" x 3.75"

Weight: 7.8 lbs.

Power Source: Rechargeable batteries

Cost: $6,995.00 - $7,990.00

The Liberator is a portable, electronic communication device with 512K of memory. This product uses Minspeak so that symbols are used to represent words, sentences, or phrases. The user can select any symbol or set of symbols by pressing the keys with the appropriate icons on the Liberator's keyboard. An optional infrared pointer (extra) can also be used to select symbols, without the need to press keys. Selected words and sentences will be "spoken" using DECtalk speech; ten different age and gender appropriate voices can be chosen. Words are also shown on the 8-line display screen and can be printed on the built-in printer or an external printer. The Liberator is menu-driven and has text editing functions. The device also features icon prediction; when an icon is selected, those icons that follow in established sequences light up. The Liberator can be used to control computers using optional add-on interfaces. Other features include: built-in calculator, scratch pad, notebooks, Minserts, and a built-in speech dictionary.

The Liberator consists of Minspeak software, DECtalk speech, printer, keyguard, battery charger, 7 overlays, icon sticker sheets, operator manuals, quick reference guide, and three vouchers for training.

Product Name: Light Talker

Vendor: Prentke Romich Company

Size: 13" x 8.9" x 2.8"

Weight: 5 lbs.

Power Source: Rechargeable batteries

Cost: $4,645.00 - $5,515.00

Light Talker is an electronic communication aid with synthesized speech output and optional printer or keyboard emulating output. Selection can be direct, with an Optical Headpointer, or scanning with switches (all extra). Automatic scanning (single switch), row-and-column scanning (dual switch), and directed scanning (multiple switches), and morse code input (two or three switches) are all possible. Minspeak firmware allows vocabulary to be stored by abbreviation expansion or semantic compaction and overlays to be created and reassigned. Light Talker can also operate an environmental control system or computer.

Three colors are available for the Light Talker: gray, blue, or red. Other options include: SmoothTalker or DECTalk speech synthesizer, carrying case, an external printer, a keyboard emulating interface for the Apple II family or IBM-PC, the Memory Transfer Interface (which allows vocabulary sets to be stored on Apple diskette), and a variety of Minspeak vocabulary software. Kits are also available for converting the keyboard to 8 or 32 positions. Contact manufacturer for option specifications and pricing information.

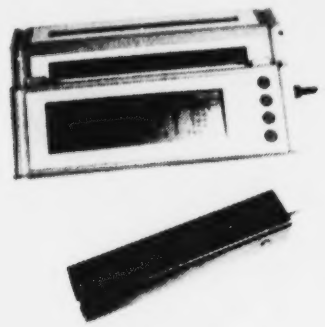
Product Name: LightWRITER SL30
Vendor: Zygo Industries, Inc.
Size:
Weight:
Power Source: Rechargeable batteries
Cost: $1,535.00

LightWRITER SL30 is a portable dual-display communication aid with optional speech output. The user types messages on the device's keyboard, and the messages appear on two displays: one facing the user and one facing the person being communicated with. The device has 5K of internal memory which can be used for abbreviation expansion: the user can type short abbreviations and the LightWRITER will display a full phrase. Two types of keyboard are available: a membrane type or raised rubber keys. Two keyboard layouts are also available: QWERTY or ABCDE. The LightWRITER SL30 is available with or without a built-in speech synthesizer (the option is $635.00), and it can also drive an external speech synthesizer or a printer through its serial port. Male and female voices are offered.

Options include keyguard, carrying pouch, backlighted displays, remote displays, and external speakers.

Product Name: LightWRITER SL5
Vendor: Zygo Industries, Inc.
Size:
Weight:
Power Source: Rechargeable batteries
Cost: $895.00

LightWRITER SL5 is a portable dual-display communication aid. The user generates messages by typing on the device's keyboard, and messages appear on two displays: one facing the user and one facing the person being communicated with. Messages can be typed one letter at a time, or up to 36 messages can be stored and then recalled by pressing the "mem" key and then a particular letter. There is a choice of keyboard type: either flat membrane or raised rubber keys. There is also a choice of keyboard layout: either QWERTY or ABCDE. Keyguard is available as an option. Backlighted displays are also available.



Product Name: LightWRITER SL8 and SL80

Vendor: Zygo Industries, Inc.

Size:

Weight:

Power Source: Rechargeable batteries

Cost: $1,595.00

LightWRITER SL8 and SL80 are portable dual-display communication aids that use switch input. The user composes messages by selecting letters with single-switch scanning. Messages appear on two displays: one facing the user and one facing the person being communicated with. Messages can also be spoken by an optional internal speech synthesizer ($635.00). The devices have 5K of memory for abbreviation expansion. The SL8 displays the full aphabet in an array, and the user selects by row-column scanning. The SL80 displays one large letter at a time, and the user selects by linear scanning. The SL8 and SL80 come with a low-force click switch, but any single switch can be used.

Options include back-lighted displays, carrying bag, and remote display.

Product Name: LightWRITER SL81 and SL82

Vendor: Zygo Industries, Inc.

Size:

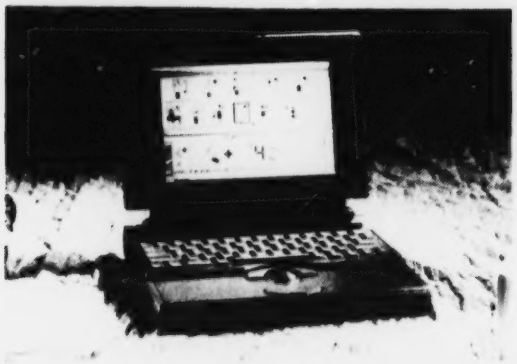
Weight:

Power Source: Rechargeable batteries

Cost: $1,950.00

LightWRITER SL81 and SL82 are portable communication aids that use switch input. The user composes messages by selecting letters with single-switch scanning. Messages appear on the unit's display, and can be spoken by an optional internal speech synthesizer ($635.00). The devices have 5K of memory for abbreviation expansion. The SL81 displays the full alphabet in an array, and the user selects by row-column scanning. The SL82 displays one large letter at a time, and the user selects by linear scanning.

Options include back-lighted displays, external speaker and remote display.



Product Name: Lingraphica

Vendor: Tolfa Corporation

Size:

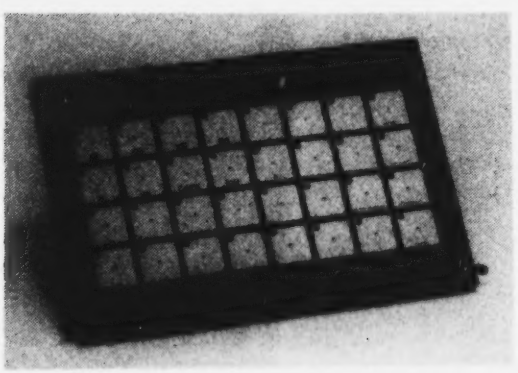
Weight: 15.75 lbs.

Power Source: Rechargeable battery

Cost: $5,490.00 - $6,450.00

Lingraphica is a laptop computer-based communication aide designed to help persons with severe aphasia. The user selects from among 2,000 pictures by using a mouse. Pictorial selections result in animation, text, and sound. Once messages are composed, they can be saved and retrieved.

Lingraphica is available to hospitals and clinics for $6,450.00. Individuals who wish to purchase the aide have to obtain a physician's prescription to do so and the cost is $5,950.00. Contact the manufacturer for ordering information.



Product Name: Macaw

Vendor: Zygo Industries, Inc.

Size: 11.5" x 7.75" x 2.5"

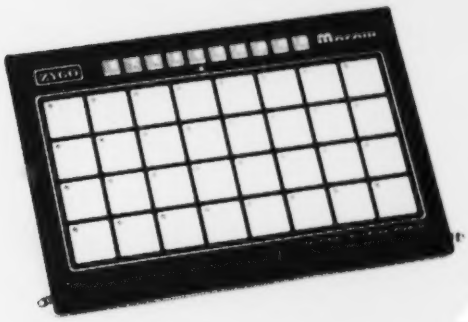
Weight: 2.5 lbs.

Power Source: Rechargeable batteries

Cost: $1,150.00 - $2,150.00

The Macaw is a portable communication aid that uses digitized recording technology. The recorder/playback unit has enough recording time for 32 brief messages. A microphone is built in; connectors are provided for the use of external microphones and speakers. Output volume may be selected from the keypad by the user. Controllable features include quick copying of recorded messages from key to key, and Key-Link which permits sequential key selections to determine spoken messages.

Two models are available: one uses direct selection only, the other uses both direct selection and scanning. A carrying handle is included with either model.



Product Name: Macaw-SC

Vendor: Zygo Industries, Inc.

Size:

Weight:

Power Source:

Cost: Contact manufacturer

Macaw-SC is a portable communication aid that can record messages digitally and replay them. Messages may be accessed either directly through the MACAW-SC keyboard or by using scanning mode with external switches (extra). The keyboard may be configured to have from 2 to 32 keys. The standard configuration permits 32 messages to be stored (one minute of high-quality recording or two minutes of extended play); memory may be acquired to expand capability to up to 4.5 minutes of high quality or 9 minutes of extended play. The ultimate number of messages depends on the amount of memory acquired.

Options (extra) include keyguards, enlarged-key keyboards, and full color key labels; contact manufacturer for further information.

Product Name: MegaWolf

Vendor: Wayne County Regional Education Service Agency

Size: 14.5" x 10" x 1.75"

Weight: 2 lbs.

Power Source: Rechargeable batteries

Cost: $400.00

MegaWolf is a portable communication aid with synthesized voice output. The user presses touch sensitive keys on the surface to make selections. Four memory sections are provided for the storage of words and phrases. The Fixed Section, which has a maximum capacity of 500 words organizable into up to 36 levels, is programmed by the manufacturer either per user custom specifications or with WOLF Curriculum Activity Packages (WOLFCAPS). The User Section has a capacity of approximately 800 words, organizable into as many as 36 levels, and is programmable by the user via either a 400-word "dictionary" of preprogrammed entries or a "phoneme page." The two additional memory sections can be left blank for extra User Sections or used as extra Fixed Sections with additional programmed vocabulary (WOLFCAPS).

Additional WOLFCAPS are $30.00 each. An auditory scanning version of the Wolf (Whisper Wolf) and a switch operated version (A.I.P.S. Wolf) are also available (see separate entries).

Product Name: Message Maker

Vendor: Psychological Corporation

Size:

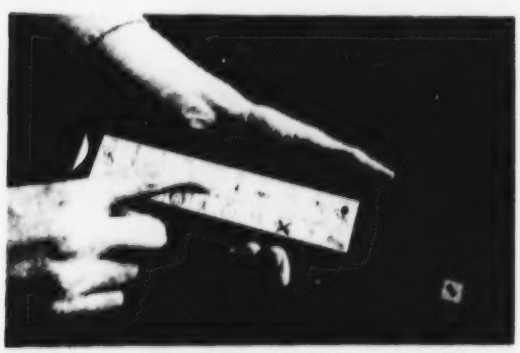
Weight:

Power Source:

Cost: $115.00

Message Maker is a communication program designed to communicate words and phrases with a minimum of keystrokes or switch closures. Message Maker maintains an alphabetical list of words and stores phrases alphabetically as well. Pre-defined words, phrases, and directly entered text may be mixed in any combination to form messages. The program allows up to 20,000 total characters of words or phrases to be stored. Messages of up to 200 characters each may be printed, spoken and/or saved.

Input is made to Message Maker via direct selection from the Apple keyboard or with a single switch. Output may be printed, or spoken if used with the Echo, DECTalk, or Votrax speech synthesizers. Two versions are available: Message Keyboard for direct selection, and Message Maker Scan for scanning selection.



Product Name: MessageMate 20

Vendor: Words+, Inc.

Size: 11.74" x 3" x 1.25"

Weight: 1.5 lbs.

Power Source: Rechargeable battery

Cost: $499.00

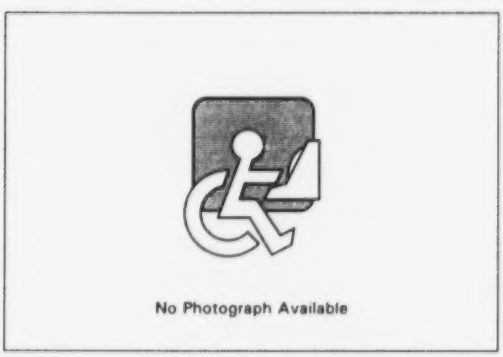
MessageMate 20 is a voice output communication training aid with digitized speech output. The user selects a message by pressing a choice on the surface of the device or by scanning with a single switch. Messages are recorded and played back digitally; therefore any word, phrase or sound can be recorded and played back exactly, but there is no ability to type unique phrases and have them spoken (text-to-speech). The device is available with a 20 or 40 key keyboard. Scanning can be done in a linear fashion or row-column, with one or two switches. Scan rate can be adjusted from 1/10 of a second to 10 seconds per step and there is a choice of four different accept times (time a choice must be held before the device accepts it). Scanning can be silent or accompanied by an audible click.

Several models of the MessageMate are available. There are 20-key models with 20 seconds, 40 seconds, 60 seconds or 120 seconds of total message time. There are also 40-key models with 60 seconds, 120 seconds or 240 seconds of total message time. Keyguard, carrying case and message stickers are options.

Product Name: Porta-Voice
Vendor: Compeer, Inc.
Size:
Weight: 3.7 lbs.
Power Source:
Cost: $3,395.00

Porta-Voice is a portable communication aid which features speech output. The user can select predefined messages, words, and letters using a keyboard, mouse, or trackball which the device will then "speak". Since the aid is based on a laptop computer, it can also function as such including a 60MB hard disk. The Porta-Voice can "read" any document which is in the computer as well as perform standard word processing, scratchpad, spreadsheet, and database functions. A macro feature can insert frequently used phrases and words into text as well as speech output.

Porta-Voice includes a computer, PC-Voice software, Covox speech hardware, a user's guide, and backup disks.



Product Name: Porta-Voice II
Vendor: Compeer, Inc.
Size:
Weight:
Power Source:
Cost: $2,295.00 - $4,495.00

Porta-Voice II is a portable communication aid with speech output. The system is based on a laptop computer with special software and a speech synthesizer. Predefined words, phrases, messages or letters can be selected by the user, using a keyboard, mouse, trackball, or switch (scanning or Morse code; optional). Once a selection is made, the appropriate words will be spoken by the speech synthesizer. Phrase and word lists can be modified by the user. Porta-Voice II has a "scratchpad" for composing messages and a word prediction feature for speeding up typing. Longer texts typed on the computer can also be spoken through the speech synthesizer. Speech output can be controlled in volume, tone and pitch. Porta-Voice II also has an on-screen keyboard for typing keyboard characters with a pointing device such as a mouse.

There are three different models of Porta-Voice II, each based on a different laptop computer. A SmoothTalker speech synthesizer is included. A Multi-Voice (DECtalk) speech synthesizer is available for $1,595.00 extra. The scanning and Morse code option is $195.00.

No Photograph Available

Product Name: Portable Typewriters and Handheld Computers

Vendor: Various (Generic Product)

Size:

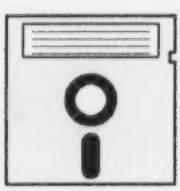
Weight:

Power Source:

Cost: Varies

Nonvocal individuals may require a simple device for typing messages that are intended to be read, either silently or aloud, by another person. Modern portable typewriters and handheld computers may fulfill this role: they are compact, lightweight, and include a variety of useful features, including ability to store phrases and check spelling. These devices can also be used as note takers for individuals who might have difficulty remembering things or whose handwriting is illegible.

Portable typewriters and handheld computers are available on the mass market in department stores, electronics stores, and bookstores at relatively low cost.



Product Name: Quick Talk

Vendor: ENABLE

Size:

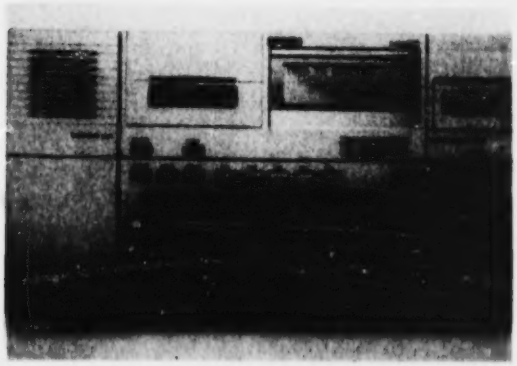
Weight:

Power Source:

Cost: $45.00

Quick Talk is a program that allows an Apple computer to function as an electronic communication aid. The user (or an assistant) types in the desired spoken phrases on the keyboard, and associates them with short letter or number codes. Thereafter when a code is entered on the keyboard, a speech synthesizer will speak the phrase assigned to that code. Quick Talk can also be used to auto-dial phone numbers, if the computer used is equipped with a modem.

A speech synthesizer compatible with the computer used is required in order to operate Quick Talk. The computer must be equipped with a modem in order to use the auto-dial function.



Product Name: RealVoice

Vendor: Adaptive Communication Systems Technologies

Size: 14.75" x 8.5" x 1.75"

Weight: 6 lbs.

Power Source: Rechargeable batteries

Cost: $3,295.00

The RealVoice is a portable communication aid. Built into the RealVoice aid is a full-featured, diphone-based speech synthesizer with natural-sounding rhythm and intonation available in either male or female voice. Additional features include: a text-to-speech capability permitting messages to be typed and spoken or printed; an abbreviation expansion program allowing storage and recall of messages; adjustable time delays and volume control; and ability to store programs and vocabulary on tape. The memory capacity is 27,000 characters.

Options include environmental controls, Memkey alternative keyboards, and wheelchair mounting systems; contact manufacturer for details.

Product Name: Say It

Vendor: ENABLE

Size:

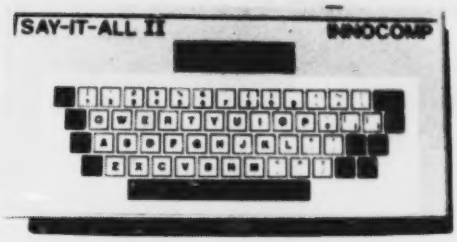
Weight:

Power Source:

Cost: $40.00

Say It is an auditory scanning program that allows an Apple computer to be used as a scanning communication aid. The program presents menus on the screen and reads off the options (words or phrases) in a low tone of voice. When the desired phrase is reached, the user activates a single switch, and a speech synthesizer speaks the phrase in a louder tone of voice ("classroom" level). Ability to use the keyboard is required in order to build the lexicon of phrases. Output from Say It may be printed as well, if the computer is so equipped.

To operate Say It, a speech synthesizer compatible with the computer used is required. A single switch interface (extra) is recommended.



Product Name: Say-It-All II Plus

Vendor: Innocomp

Size: 15" x 7" x 1.5"

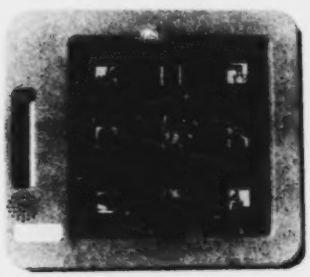
Weight: 2.25 lbs.

Power Source: Rechargeable battery

Cost: $1,995.00

Say-It-All II Plus is a portable communication aid with synthesized voice output. The user types words or phases on the Say-It-All's membrane keyboard. These words or phrases are then converted to correct English phonetic pronunciation and spoken by a built-in speech synthesizer. The user can change the pitch of the voice from low to high. Messages can be sent to a printer or computer via a built-in RS232 serial port. The surface of the keyboard is flat, seamless and moisture-proof. Up to 846 whole words or phrases may be stored and recalled. The user stores phrases by spelling them out, and recalls them by pressing a few keys. Overlays containing words, symbols or pictures can be created and placed on the keyboard to show the location of vocabulary items. MSL II software (included) allows phrases to be stored on levels or pages.

The Say-It-All II Plus includes manual, battery charger, liquid crystal display, nine overlays, and Touch 'N Talk Micro Communication Stickers. Options include a keyguard, overlays and stickers, external printer, Clarity male/female speech synthesizer, IBM-compatible Voc-Load software, and CARE software with abbreviation expansion, semantic compaction, and logical letter coding capabilities.



Product Name: Say-It-Simply Plus

Vendor: Innocomp

Size: 19" x 17" x 1.5"

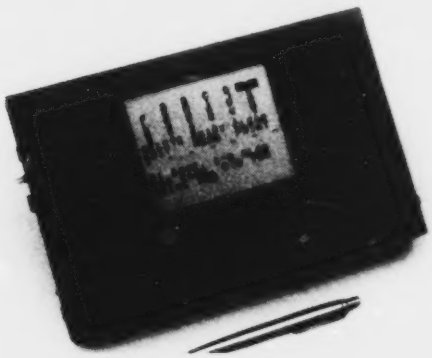
Weight: under 5 lbs.

Power Source: Rechargeable battery

Cost: $1,995.00

Say-It-Simply Plus is a portable communication aid with synthesized voice output and a user-definable keyboard area. The keyboard of the Say-It-Simply is a 12" x 12" membrane surface. The user can define how many areas this keyboard is divided into, from one to 144 areas. Particular vocabulary can be programmed for each area. When that area is pressed, the programmed word or phrase is spoken by a built-in speech synthesizer. Multiple vocabularies (up to 28) can be created and stored, with a total capacity of 762 words or phrases. Overlays can be created for different vocabulary sets. The voice pitch may be changed from low to high. MSL II software (included) permits phrases to be stored in levels. A built-in RS 232 serial port allows the device to be attached to a printer or computer.

Say-It-Simply Plus includes a manual, battery charger, instructional overlay with attached frame, set of five overlays, and Pick 'N Stick Color Pack Communication Stickers (see entry). Options include keyguards, additional overlays, overlays with frames, and stickers, an external printer, and Clarity, a speech synthesizer that permits choice of male and female.



Product Name: Scan Com

Vendor: Med Labs, Inc.

Size: 9.5" x 6.3" x 1.5"

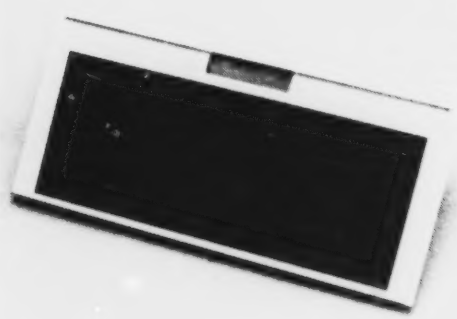
Weight: 1.5 lbs.

Power Source: 120V AC

Cost: $965.00

Scan Com is a device which uses single switch input to type messages on television screens or computer monitors. The device automatically scans its main menu on-screen until the user activates a single switch device (extra) to select the desired menu item when it is highlighted. The screen then displays a sub-menu. Sub-menus can scan three types of items: previously stored messages, an alphabet board to "type" a new message, and commands which allow the user to go to another menu, edit, store, recall a message, and control system functions like scan rate. The unit can also decode Morse Code messages. English or Spanish languages are selectable.

Scan Com accepts a variety of single switch input devices including breath control, tilt, and bite-or-puff. There are four available models: Scan Com-B (basic), Scan Com-P (portable), Scan Com-S (speech) which has an internal speech synthesizer, and Scan COM-PS (portable and speech). The starting price for Scan Com is $965.00, contact the manufacturer for further price information.



Product Name: Scan-It-All

Vendor: Innocomp

Size: 19" x 9.25" x 2.38"

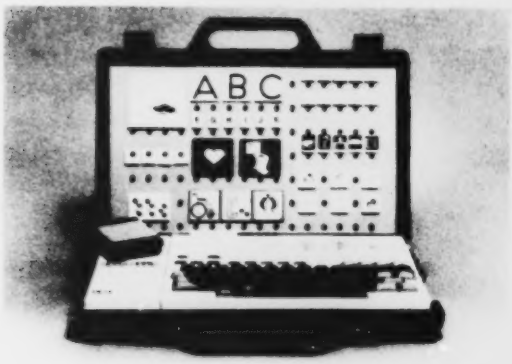
Weight: 5 lbs.

Power Source: Rechargeable batteries

Cost: $3,495.00

Scan-It-All is an electronic communication aid with voice output. The device accepts most single switches and allows for several scanning modes including vertical or horizontal element scanning, row-column scanning, column-row scanning, and segment scanning. The surface of the aid is divided into one inch squares which have lights on all four corners; the lights provide the user with visual feedback during scanning. Once the user has made a selection, the selected phrase is "spoken" using Clarity Speech; it also appears in a small liquid crystal display at the top of the device. Scanning speed is adjustable. Scan-It-All can be used with a head pointed laser beam for direct selection as well. The device features an automatic turn off timer which can be set for one to sixty minutes.

Software which allows storage of up to 800 phrases in Scan-It-All is included. The device is under five pounds in weight.



Product Name: ScanPAC

Vendor: Adaptive Communication Systems Technologies

Size: 14.75" x 8.5" x 1.75"

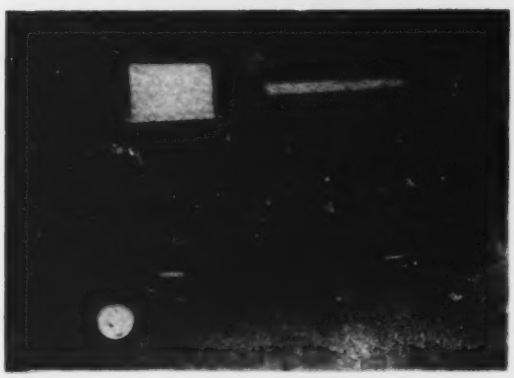
Weight: 8.5 lbs.

Power Source: Rechargeable batteries

Cost: $3,995.00

The ScanPAC is a portable communication aid. Built in to the ScanPAC is Adaptive Communication Systems' RealVoice, a full-featured, dipthone-based voice synthesizer with more natural rhythm and intonation available in either male or female voice. The keyboard may be configured to adjust for user abilities. Additional features include a text-to-speech capability permitting messages to be typed or selected and spoken or printed, an abbreviation expansion program allowing storage and recall of messages, and capability of assigning voice output to single picture selection or picture sequencing of up to 5 symbols. Fifteen memory levels are available. Storage capability is 27,000 characters and activated through direct key or switch input.

Options include environmental controls, alternative keyboards, and wheelchair mounting systems; contact manufacturer for details.



Product Name: Scribe

Vendor: Zygo Industries, Inc.

Size: 9.63" x 6" x 1.88"

Weight: 28 oz.

Power Source: Rechargeable batteries

Cost: $1,450.00

Scribe (formerly Q.E.D. Scribe) is a communication aid with printed output. The user types messages on the device's alphanumeric keyboard. The message appears on a 24-character LCD display, and once the message is composed it can be printed on the built-in printer. Messages can be up to 240 characters long before they are printed. The user can store up to 26 messages of up to 55 characters apiece. A stored message can be recalled by pressing two keys. Both upper and lower case letters can be typed and printed. The keyboard has a membrane surface with built-in keyguard, and pressing the keys produces audible feedback. The on and off switches are also keys. The Scribe has a timed automatic shut-off feature.

Product Name: Sentence-Scan

Vendor: Computers to Help People, Inc.

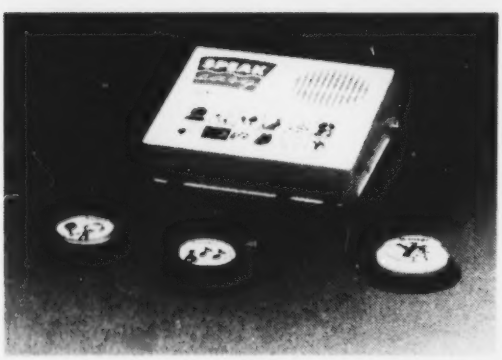
Size:

Weight:

Power Source:

Cost: $50.00

Sentence-Scan is a communication program that accepts input from the computer keyboard, or a single or dual switch. A teacher or parent may enter up to twenty lists of words which may be selected by the user. Word lists are displayed in large type on the screen. The user selects the desired words from these lists. Selections may be printed or spoken through a voice synthesizer. Scanning delay, audible feedback when a selection is made, automatic shift, and four selection modes are provided.



Product Name: SpeakEasy

Vendor: AbleNet, Inc.

Size:

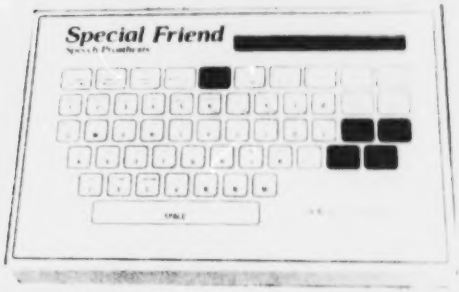
Weight:

Power Source:

Cost: $365.00

SpeakEasy is an electronic communication aid which can store and playback recorded messages. Up to twelve messages may be recorded on the device's digital sound chip. These messages are retrieved by pressing the corresponding symbol on the twelve-key membrane keyboard which is built-in to the device. Symbols may be changed in accordance with message changes. Stored messages may also be retrieved through single switch input; there are twelve switch input jacks to correspond with the stored messages and the membrane keys. The device weighs under three pounds and is approximately 8" x 6" x 3" in size.

SpeakEasy is splash-resistant and comes with a detachable shoulder strap. The aid uses either built-in battery or AC adapter (both included).



Product Name: Special Friend Speech Prosthesis

Vendor: Shea Products, Inc.

Size: 15" x 9.75" x 2.5"

Weight: 6 lbs.

Power Source: Rechargeable batteries

Cost: $2,407.00 - $3,267.00

Special Friend Speech Prosthesis is a portable electronic communication aid with voice output. The user can select pre-programmed phrases, compose phrases letter by letter, or create and recall custom phrases. The custom phrases are arranged on nine levels, each of which is a group of common need situations (conversation, personal needs, math, etc.). Custom information can be stored on any of 26 levels. The levels are reached by typing a single number or letter. Once the level is reached the desired phrase is called up by entering a single letter code; thus there are 26 x 26 memory locations. Messages can be reviewed on the Special Friend's 80-character LCD display before being spoken.

Special Friend is available in two models. The direct input model ($2,390.00) has a membrane keyboard with a keyguard; selection is made by pressing the keys. The scanning model ($3,250.00) has lamps for each key; selection is made by scanning with a single switch and programming is done with a light pen.

Product Name: SpeechWare

Vendor: MacLaboratory Inc.

Size:

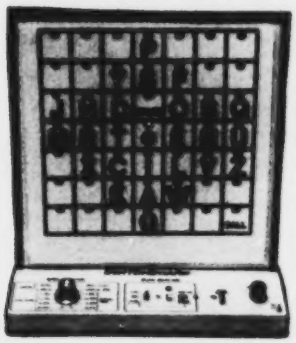
Weight:

Power Source:

Cost: $54.95

SpeechWare is a set of HyperCard stacks designed to serve as an augmentative communication program. Pictures or words may be selected and spoken using the MacinTalk speech synthesizer. The stacks may be modified to include or remove pictures; a developer's manual is included. Various versions of the program support various inputs, including full keyboard, touch screen, or switch input.

A Macintosh with HyperCard software is required to use SpeechWare. Contact manufacturer about special software customization, interfaces, or training.



Product Name: Switchboard

Vendor: Zygo Industries, Inc.

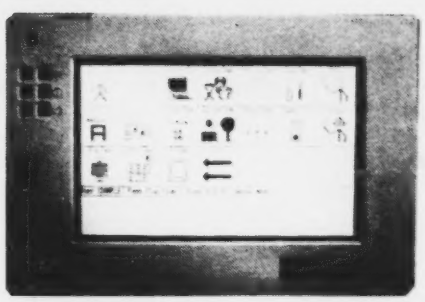
Size: 17" x 16" x 8"

Weight: 4 lbs.

Power Source: 120V AC

Cost: $1,745.00

Switchboard is a row-and-column scanning communication aid that can be be configured with 4, 12, 16, 28, or 49 positions. Selections can be made in the four-position configuration by direct selection using four switches. Automatic and manual scanning work in 4, 12, 16, and 28 positions. Row-and-column scanning and directed scanning work in the 49-position mode exclusively. Automatic scanning can use one or two switches (forward or backward) and has a rate adjustable from 0 to 42 seconds to over a minute. In manual scanning, two switches are used to move the light forward or backward one position at a time; a third switch indicates selection. In row-and-column scanning, a single switch is used to scan row, then column, then selection. In cursor control, the user can scan in either of two directions (with two switches) or in any of four directions (with four switches or a joystick). The user can also scan in a circular pattern, in automatic and manual scanning modes only.



Product Name: System 2000

Vendor: Words+, Inc.

Size: 12.4" x 8.6" x 1.6"

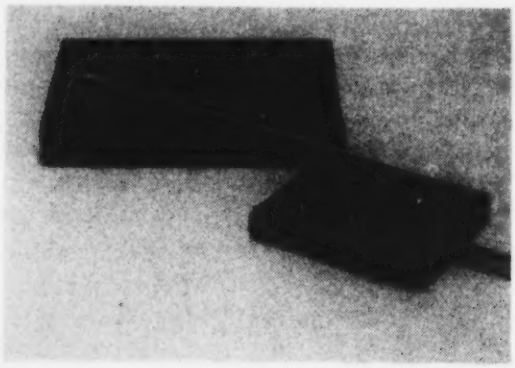
Weight: 6 lbs. - 7.5 lbs.

Power Source: Rechargeable battery

Cost: $4,995.00 - $6,995.00

System 2000 is a portable electronic communication aid with a changeable display touch screen. The device displays words or picture symbols on its screen and the user touches the desired symbol to communicate a message. Messages can also be selected with switches, using scanning or Morse code. System 2000 can speak with a synthesized voice (allowing unique messages to be spelled out and spoken) and digitized speech (allowing words or sounds to be recorded and then played back). System 2000 can be used with "Talking Screen" software, which presents sets of picture/word vocabulary choices on the screen. Levels of vocabulary can be selected from screen, in which case the display changes to show the vocabulary items at that level. Levels, symbols, and vocabulary can be customized for each user. System 2000 can also be used with "E Z Keys" software, in which vocabulary is presented in alphabetic form and the user can accelerate their typing rate using either abbreviation expansion or word prediction.

System 2000 is available with 2-8 MB of RAM, with a 20 MB, 40 MB or 80 MB hard drive, and VocaLite or MultiVoice synthesizer. A total of 2-6 hours of digitized sound can be stored for playback.



Product Name: Talk-O

Vendor: TASH, Inc.

Size: 14" x 10" x 2"

Weight: 7 lbs.

Power Source: Rechargeable batteries

Cost: $2,000.00

Talk-O is a portable electronic communication and training aid. Access to Talk-O can be achieved through the following TASH options: the Unicorn Expanded Keyboard (up to 128 positions), the Keypad (15 positions), a Light Matrix Scanner with Single/Multiple Switch (64 positions) or a Multiple Switch (five positions). The access option chosen must be purchased separately. The total of 120 seconds of recording time is allocated dynamically, so that recording time can be divided among messages as needed. Scanning options are by row/column or by element; scanning can be accessed with a single switch or joystick. The delay time before the equipment goes into power-saving "sleep" mode is adjustable.

Product Name: Talker II

Vendor: Intex Micro Systems Corporation

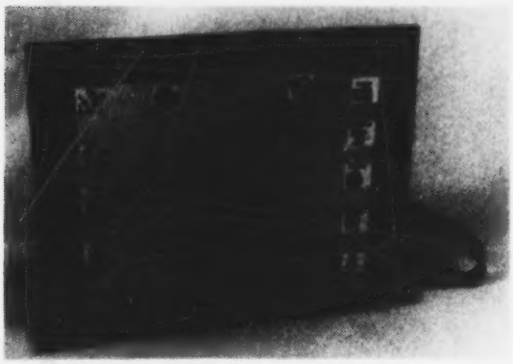
Size: 13" x 7.5" x 1.5"

Weight: 3.25 lbs.

Power Source: Rechargeable batteries

Cost: $2,495.00

Talker II is a portable speech output communication aid with internal batteries and 80 character display. A HELP key accesses a built-in tutorial showing user how to program in any mode. Examples are spoken. Vocabulary text-to-speech mode will pronounce any keyboard entry. Automatic inflection control or a choice of 64 pitch levels are available. Messages can be stored under any key or combination of keys. Sentences can be constructed from preprogrammed entries or combined with user-entered text. The serial port can be used to print out a user programmed message directory or to operate an external printer. Expandable memory can be loaded from keyboard or from disk through serial port. Symbolic overlay kit with different sized target areas and keyguard is available, as is a soft-sided carrying case with shoulder strap.



Product Name: Talking EyePoint Board

Vendor: InvoTek Corporation

Size:

Weight:

Power Source:

Cost: $395.00

The Talking EyePoint Board is an communication aid designed to provide sound output for symbols the user selects by eye gazing. The aid has a large square wood frame with symbols around the edges and a mirrored surface in the middle. The symbol sets are not predetermined but must be constructed. The user eyepoints at a desired symbol and another person shines a small penlight onto the light sensor located near that symbol. Once a symbol is selected and the sensor has been triggered by the penlight, the appropriate word will be "spoken" by a speech synthesizer or other voice output device (extra).

The Talking Eyepoint Board comes with an AC adaptor, five symbol set overlays, ten Adaptive Firmware Card (AFC) setups, a ten foot cable, penlight, and instruction manual. The aid must be connected to either an Apple II series computer with speech synthesizer and Adaptive Firmware Card or to the Invotek Expanded Keyboard Interface and Super/Mega WOLF communication aid (all extra).

Product Name: Talking Screen

Vendor: Words+, Inc.

Size:

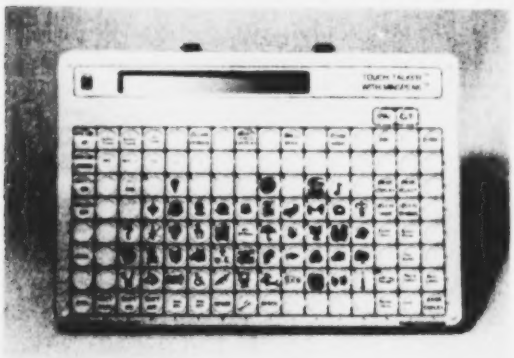
Weight:

Power Source:

Cost: $1,395.00

Talking Screen is a software program designed to be used as a direct selection communication system. The user or clinician may configure the on-screen picture display and determine the message linked to each picture or sequence of two or more pictures. Configurations may be saved to disk and different setups may be loaded for different users. Screen layouts, programmed responses, and other settings may be printed out. A menu-driven system permits access to various features including on-line help. An optical pointer, mouse, or trackball may be used to access pictures. A text-to-speech spelling option with abbreviation expansion is included.

Contact manufacturer for information on complete portable systems, beginning at $2,935.00.



Product Name: Touch Talker

Vendor: Prentke Romich Company

Size: 13" x 8.8" x 2.75"

Weight: 5.25 lbs.

Power Source: Rechargeable batteries

Cost: $3,965.00 - $4,825.00

Touch Talker is a portable electronic communication aid offering synthesized speech output and optional printer or keyboard emulating output. Selections are made directly by pushing one of the keys on the membrane keyboard. Messages can be displayed on an LCD before being spoken. The Touch Talker can be used with Minspeak and Expanded Minspeak firmware, which allows vocabulary to be stored and recalled by semantic compaction and overlays to be created and reassigned. The Touch Talker can also be used to operate an environmental control system and a computer.

Touch Talker is available in three colors: gray, blue, or red. Options for the Touch Talker include Smoothtalker or DECTalk speech synthesis, external printer, carrying case, keyboard emulating interface for the Apple IIe or II+ and the IBM-PC, the Memory Transfer Interface (which allows vocabulary sets to be stored on Apple diskette), and a variety of Minspeak vocabulary software. Kits are also available to convert the keyboard to 8 or 32 positions. Contact manufacturer for option specifications and pricing information.

Product Name: Typewriters for the Visually Impaired

Vendor: Typewriting Institute for the Handicapped

Size:

Weight: 26 lbs.

Power Source: 120V AC

Cost: $825.00 - $895.00

Large-Type Typewriter is a standard keyboard IBM Model D electric typewriter adapted to type larger. The type style used has 5 spaces to the inch horizontally (as compared to 10 and 12 spaces for pica and elite) and 4 vertical lines to the inch (as compared to the standard 6 of pica and elite).

Two models are available. The model that the capability of producing both lower and upper case letters is $825.00; the model that produces upper case letters only is $895.00.

Product Name: VOIS 160

Vendor: Phonic Ear Inc.

Size: 8.75" x 16.5" x 3.18"

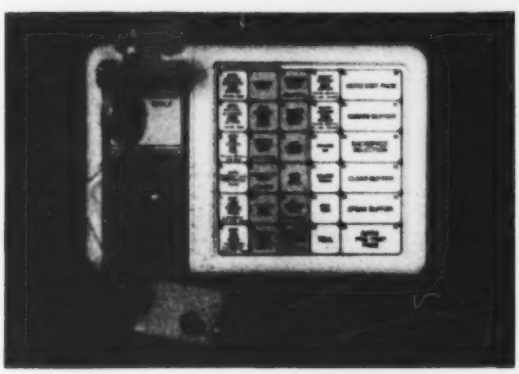
Weight: 5 lbs.

Power Source: Rechargeable batteries

Cost: $3,595.00 - $4,145.00

VOIS 160 is an electronic communication aid that generates synthesized speech. Words and phrases can be typed in and may be saved under a specific key location or as a sequence of keys. The VOIS 160 has a flat membrane keyboard that can be configured to contain up to 104 keys; key size is variable. The device may also be attached to any computer that has an RS232 interface; commands from the computer for programming and saving vocabulary to a backup file can be accepted by the VOIS 160. There are two software systems which can be used with this device: P.A.L.L.S. and VoisShapes. P.A.L.L.S. features a Three Talk Buffers function which permits separate conversations to be conducted simultaneously; the user can switch among the three buffers. The contents of the Talk Buffers can also be viewed on an internal display screen and edited. VoisShapes provides keyboard emulation including editing functions. The software also has hot keys (which recall frequently used words), grabber keys (which immediately interrupt any mode to speak a message), and grammatical keys.

Options (extra) include keyguards for 8, 24, or 104 keys, a carrying case, and programming software.



Product Name: WhisperWolf

Vendor: Wayne County Regional Education Service Agency

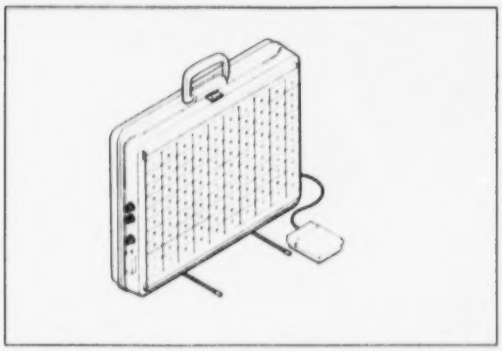
Size: 14.5" x 10" x 1.75"

Weight: 2 lbs., 10.5 oz.

Power Source: Rechargeable batteries

Cost: $450.00

WhisperWolf is a portable communication aid with synthesized voice output. The user can make selections by single-switch auditory scanning. The vocabulary items are read sequentially, through a private speaker which can be placed by the user's ear. When the desired selection is reached, the user activates the switch and the choice is spoken aloud through another speaker. Four memory sections are provided for the storage of words and phrases. The Fixed Section, which has a maximum capacity of 500 words organizable into up to 36 levels, is programmed by the manufacturer either per user custom specifications or with WOLF Curriculum Activity Packages (WOLFCAPS). The User Section has a capacity of approximately 800 words, organizable into as many as 36 levels, and is programmable by the user via either a 400-word "dictionary" of preprogrammed entries or a "phoneme page." The two additional memory sections can be left blank for extra User Sections or used as extra Fixed Sections with additional programmed memory (WOLFCAPS). Auditory scanning options include: row/column or sequential scanning, selectable scan rate, rest mode, and continue after select vs. continue at start. Private speaker is included. Switch must be purchased separately.



Product Name: Zygo Model 100

Vendor: Zygo Industries, Inc.

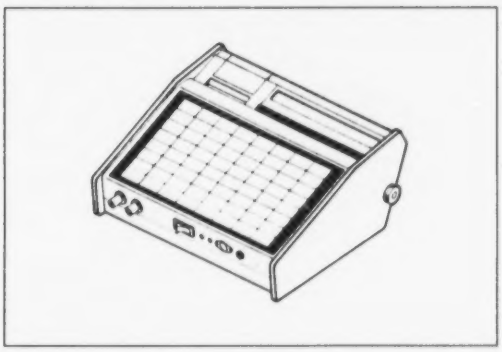
Size: 18.5" x 15" x 3.5"

Weight: 14 lbs.

Power Source: Rechargeable battery

Cost: $2,295.00

Zygo Model 100 is a 100-position scanning communication aid. The 10 x 10 array is mounted in a case that stands vertically. Each position has a light, and the user can scan the positions either automatically by row and column (single switch) or manually (multiple switches). Speed of automatic scanning is adjustable. A short-term memory is provided that will hold up to 16 selections; these selections may be played back in the order in which they were made. Alarm, memory, and scanning on/off functions may be set so that they can be controlled by the user. A console with roll paper printer and 16-character LED display is available (extra). This console mounts to the bottom of the Model 100, and is meant for use with an alphanumeric overlay. Computer interfaces are also available which allow the Model 100 to act as an alternate keyboard for an Apple IIe or II+ (interfaces are extra).



Product Name: Zygo scanWRITER

Vendor: Zygo Industries, Inc.

Size: 9.25" x 9.25" x 4.5"

Weight: 4 lbs.

Power Source: Rechargeable battery

Cost: $4,695.00

Zygo scanWRITER is a portable scanning communication and writing aid with a 20-character LCD display, 20-column built-in printer, and optional voice output. The user generates characters by selecting them from a full computer keyboard scanning array. Scanning may be row-and-column (single switch), or directed (multiple switches). Up to 800 characters total may be stored by the user at 40 locations for routine quick messages. A 120-character temporary private storage (for visual display without printing) is also provided. Up to 4000 characters total may be stored by the user at 156 locations.

A text-to-speech synthesizer may be added for voice output (extra). ScanWRITER can also be used as an alternate computer keyboard with the purchase of a special keyboard emulating interface (extra).

Product Name: Zygo Talking Notebook II

Vendor: Zygo Industries, Inc.

Size: 11.5" x 8.25" x 2"

Weight: 3.8 lbs.

Power Source: Rechargeable batteries

Cost: $1,995.00 - $2,995.00

Zygo Talking Notebook II is a portable communication and writing aid with an 8-line, 40-character per line LCD display and optional printed output. The keyboard has the full standard typewriter layout plus ten function keys and a four-key cursor keypad. The Talking Notebook has an internal memory for saving text, and a "protect" feature that saves all data for up to 26 days after the device's power goes off, for whatever reason. The Talking Notebook incorporates Abex, a Zygo designed microchip, which provides an abbreviation expansion function, allowing the creation of short alphanumeric codes which automatically expand to complete phrases when writing.

The Zygo Talking Notebook II is available in a text-to-speech version ($2,995.00) or a non-speech version ($1,995.00). This new model also includes a talking scratchpad, a math scratchpad, a graphics editor, and a perpetual calendar. Also included is a standard Centronics-type parallel interface for connection to an external printer (not included). A keyguard is available at extra cost.

Chapter 6

Telecommunication Devices for the Deaf (TDD's)

This chapter includes only those devices which have been specifically designed for deaf or non-speaking individuals to communicate over telephone lines. It includes systems which use ASCII code, Baudot code, or touch tones transfer information. It does not include devices that produce a synthesized voice: those are listed in Chapter 5. TDDs were known in the past as TTYs, and have recently come to be called Text Telephones (TTs).

Related "function" codes found in Index 1 include Telecommunication (TL), Conversation/Interaction (CI), and Phone Control (PC).

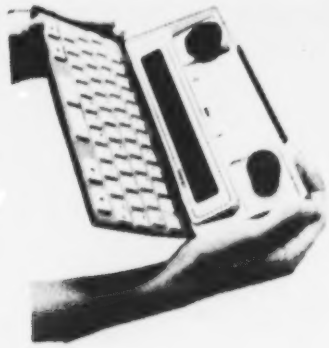
Appendix A includes a list of Information Resources for Deaf Individuals.

The following product entries appear in this chapter:

Compact TDD, *129*
InfoTouch, *129*
Intele-Modem, *130*
LUV I, *130*
Memory Printer MP20D, *131*
Memory Printer MP20DX, *131*
Memory Printer Plus, *132*
MIC300i Computer Modem, *132*
Minicom IV, *133*
NexCom I, *133*
Panasonic Answerall 100, *134*
Pay Phone TDD, *134*
Pay Telephone I and II, *135*
Personal Communication Terminal (PCT), *135*
Phone-TTY CM-4 Computer Modem, *136*
Porta View Model PV20, PV20D, PV20+, *136*
Supercom TDD, *137*
Superprint 100, 200, 400, *137*
Superprint ES TDD, *138*
TDD 2700, 2730, and 2830, *138*
TDD Detector, *139*
TE 98 Communicator, *139*
TeleBraille II, *140*
Ultra-Silent, *140*

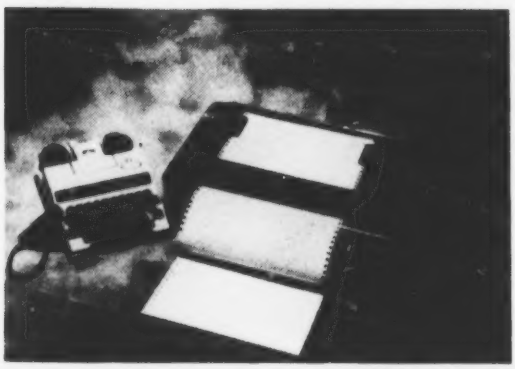
The following products from other chapters can also be used as Telecommunication Devices for the Deaf:

Futura-TDD, *735*
Multi-Line Dial-A-News System, *745*
PhoneCommunicator, *749*
SIDD (Software Interface for the Deaf and Disabled), *755*
TDD Communication Trainer System, *52*
VCS 3500 with TDD Software, *763*



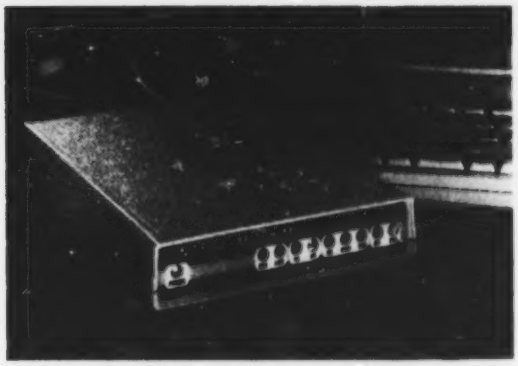
Product Name: Compact TDD
Vendor: Ultratec, Inc.
Size:
Weight:
Power Source:
Cost: $299.00

Compact TDD is a portable telecommunications device for the deaf (TDD) that features an 80-character, two-line display. The unit has a 57-key keyboard and an acoustic coupler that adjusts to fit square or round telephone handsets. Compact also has built-in clock and date functions. The device's memory can store hundreds of phone numbers or text for future use. A voice announcement alerts the recipient of a call from Compact that she needs to receive the call on a TDD. Contact manufacturer for further details.



Product Name: InfoTouch
Vendor: Enabling Technologies Company
Size:
Weight:
Power Source:
Cost: $3,795.00 - $4,695.00

InfoTouch is a three component system which gives deaf-blind persons access to the TDD network. It includes either model of the Romeo Braille Printer (see separate entry), a Superprint Modem (see separate entry) which can be used in either the conventional or six key braille typing modes, and a vibrating detector which alerts the user to a dial tone, ring, or busy signal.



Product Name: Intele-Modem

Vendor: Ultratec, Inc.

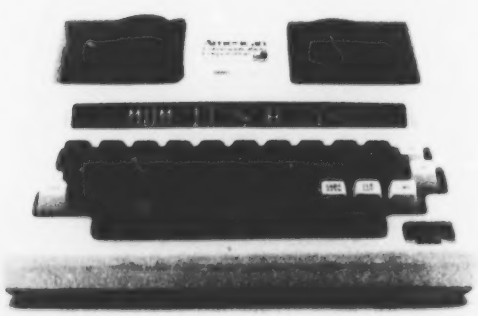
Size: 6.3" x 1.4" x 9.5"

Weight: 24 oz.

Power Source:

Cost: $329.00

The Intele-Modem receives both Baudot and ASCII coded incoming telecommunication messages. When attached to this modem, a telecommunication device for the deaf is able to convert ASCII calls into Baudot code automatically. Intele-Modem connects directly to a phone line. The modem allows the user computer control if desired and works with standard communication software. This product also provides call progress monitoring by indicating dial tone, ringing, or busy. Lights on the front panel also indicate current operating mode (originate/answer, full or half duplex) and line status.



Product Name: LUV 1

Vendor: American Communication Corporation

Size: 10" x 10" x 2.5"

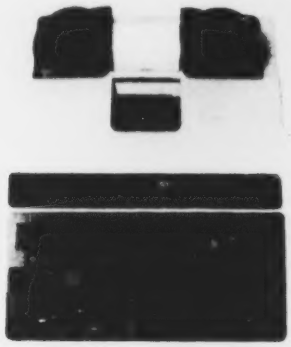
Weight: 2 lbs.

Power Source: Rechargeable batteries

Cost: $250.00

LUV 1 (formerly called Amcom C) is a portable TDD with a 34-key keyboard and a sixteen character display. LUV 1 transmits in standard Baudot TDD code. The device includes GA and SK keys, a manual carriage return, and a clear key. A call status light is also provided.

Output from the LUV 1 is Baudot at either 45.5 (American) or 50 (European) baud.



Product Name: Memory Printer MP20D

Vendor: KRI Communications, Inc.

Size: 9.5" x 12.5" x 2.75"

Weight: 5.75 lbs.

Power Source: Rechargeable battery

Cost: $525.00

Memory Printer Plus MP20D is a TDD with a 20-column LED display and a 20-column built-in printer. The MP20D has a 2,048 character memory, upper and lower case printing to distinguish incoming from outgoing messages, and four messages buffers. In addition, the MP20D offers dialing from the keyboard, memory dialing, tone/pulse dialing, automatic answering, and remote message retrieval.

Memory Printer Plus MP20D runs on a rechargeable battery and uses the standard Baudot TDD code. Time/date stamping, 8K of memory, an electronic voice message, and ASCII capability are available as options.

Product Name: Memory Printer MP20DX

Vendor: KRI Communications, Inc.

Size:

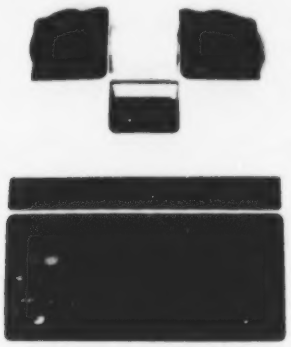
Weight:

Power Source:

Cost: $569.00

The Memory Printer MP20DX is a telecommunications device for the deaf (TDD) which has a built-in 20 column printer and an 8,192 character memory. The device has a full-size four row keyboard with a 20 character display. The MP20DX features adjustable character size per line on the printer; the user can select 20 (regular), 24 (condensed), or 12 (extra large). The MP20DX also has automatic answer and remote message retrieval, voice announcer, acoustic coupler for round and square handsets, keyboard and memory dialing, phone number directory, and a built-in flashing telephone ring indicator.

The MP20DX uses standard Baudot code. Options include a clock/calendar and ASCII capability.



Product Name: Memory Printer Plus

Vendor: KRI Communications, Inc.

Size: 9.5" x 12.5" x 2.75"

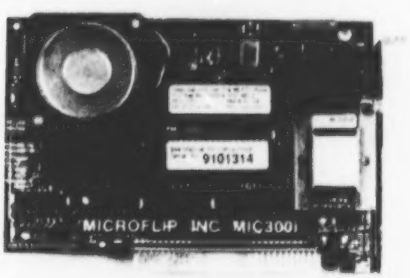
Weight: 5.75 lbs.

Power Source: Rechargeable batteries

Cost: $525.00

Memory Printer Plus is a TDD with a 20-column LED display and a 20-column built-in printer. The MP20 has a 2,048 character memory for saving and sending messages, upper and lower case printing to distinguish incoming from outgoing messages, and four message buffers.

Memory Printer Plus runs on a rechargeable battery and uses standard Baudot TDD code. Time/date stamping, 8K of memory, electronic voice message, and ASCII capability are available as options.



Product Name: MIC300i Computer Modem

Vendor: Microflip, Inc.

Size:

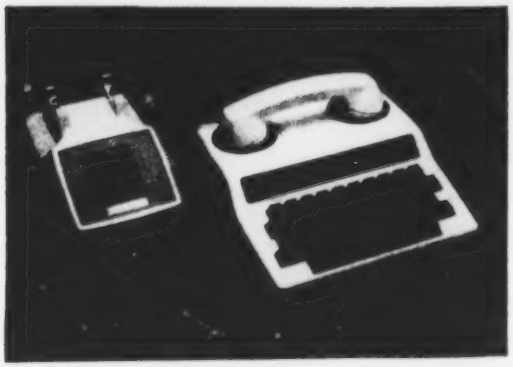
Weight:

Power Source:

Cost: $349.00

The MIC300i computer modem enables an IBM personal computer to act as a telecommunication device for the deaf. The modem is packaged with software which allows the computer to accept ASCII and Baudot coded incoming calls. The MIC300i has an "answering service" capability which can receive and record up to one thousand incoming TDD messages. The messages can be displayed on either a forty or eighty column screen. Other features include: help menu, auto redial, scrolling up to five pages of conversation, and a built-in speaker.

The software can be configured to be memory resident.



Product Name: Minicom IV

Vendor: Ultratec, Inc.

Size: 8.9" x 10" x 2.5"

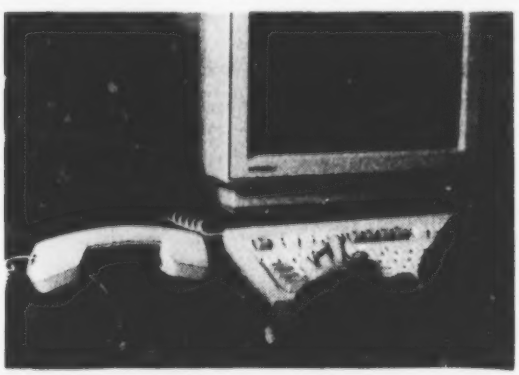
Weight: 2.5 lbs.

Power Source: Rechargeable batteries

Cost: $239.00

Minicom IV is a portable TDD with 20-character LED display. The Minicom transmits using the standard Baudot TDD code. The keyboard includes backspace and shift keys. A signal light informs the user when there is a dial tone, busy signal, ring signal, or answer at the other end. Minicom IV has a 4-row keyboard with 43 keys.

Minicom IV uses either rechargeable batteries or an AC adapter.



Product Name: NexCom I

Vendor: Nexion, Inc.

Size: 3.25" x 5.63" x 2.9 "

Weight: 11 oz.

Power Source:

Cost: $249.00

NexCom I is a device which allows a personal computer to work as a Telecommunications Device for the Deaf (TDD). The NexCom I connects to the serial port of most computers including IBMs and Macintoshes. Since the phone handset is placed on the device, NexCom I will work with any phone system. The included software allows the user to view the TDD text on the computer's screen as well as type the text on the computer keyboard. TDD text is automatically saved and can later be viewed, edited, and printed. If a call is received while the computer is off, NexCom I can send a "please hold" TDD message.

NexCom I communicates in both American and European Baudot TDD code. Support for standard ASCII communications is available as an option.

Product Name: Panasonic Answerall 100

Vendor: Nationwide Flashing Signal Systems, Inc.

Size: 8.5" x 6.5" x 2"

Weight:

Power Source:

Cost: $299.00

The Panasonic Answerall 100 is a TDD and voice answering machine for telephones. The machine answers incoming calls after five to six rings. Recorded messages which answer calls can be stored on cassette tape in either TDD or voice form; messages of up to fifteen minutes can be used. In addition to manual controls, the Answerall can be turned on or off and messages can be picked up by using a remote password from another phone line. This machine directly connects into a telephone jack.

Product Name: Pay Phone TDD

Vendor: Ultratec, Inc.

Size:

Weight: 30 lbs.

Power Source:

Cost: $2,850.00

The Pay Phone TDD is a telecommunications device for the deaf that can be attached to any public pay phone. The TDD keyboard unit is housed in a metal drawer which is bolted underneath the phone. The user takes the phone receiver and places it on a special hook to the side of the phone casing and the drawer opens. The TDD feature does not interfere with standard use of the pay phone.

The Pay Phone TDD can store a conversation in a 2,000 character memory so the user can scroll through the conversation. When the call is completed, the memory is cleared.

Product Name: Pay Telephone I and II

Vendor: KRI Communications, Inc.

Size:

Weight:

Power Source:

Cost: $775.00 - $875.00

The Pay Telephone is a telecommunication device for the deaf which can be installed for use with an public pay telephone. Pay Telephone I ($775.00) is a Porta View, Jr. TDD (see entry) housed in a casing which is installed to the side of the pay phone. Pay Telephone II ($885.00) may be recessed in, or mounted on, an existing pay phone shelf; it consists of a flat keyboard, 20-character display, call progress indicator, and selector switch. To place a call, the user dials the call on the pay phone, puts the receiver in place on the TDD, and then switches on the TDD to proceed with the call. The public phone's standard use is not impaired.

When the mounting plate is installed by the manufacturer the Pay Telephone TDD is guaranteed against theft; contact the manufacturer for further information.

Product Name: Personal Communication Terminal (PCT)

Vendor: Trident Technologies

Size:

Weight:

Power Source:

Cost: $649.00

The Personal Communication Terminal (PCT) is a telecommunications device for the deaf which can display both sides of a conversation on its screen. The Tabletop model has a screen which can accomodate 25 lines of text at 40 or 80 characters per line spacing and has a full QWERTY keyboard. The PCT features incoming call signaling, programmable telephone number directory, autodialing, memory for storing phrases and conversations, a serial printer interface, and text answering machine.

The PCT can recognize both Baudot and ASCII codes.

Product Name: Phone-TTY CM-4 Computer Modem

Vendor: Phone TTY, Inc.

Size: 8" x 5" x 2.5"

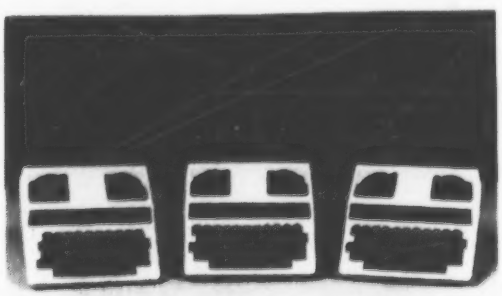
Weight:

Power Source: 120V AC

Cost: $349.00

Phone-TTY CM-4 Computer Modem is a modem that can communicate in either Baudot (TDD) code or ASCII (standard computer) code. The user connects the modem to a computer via the RS-232 port, and sends and receives messages via the computer. The CM-4 Modem is compatible with both US and International modes of TDD communication, and with ASCII communication at 110 or 300 baud. The modem automatically detects the code of the incoming call and responds appropriately.

The Phone-TTY CM-4 Computer Modem is designed to be used only with special software: PC/TDDA Software (see entry). This software allows the user to send and receive messages, auto-dial phone numbers, and automatically answer and record incoming calls. PC/TDDA Software is designed for the IBM-PC, running under PC-DOS. The CM-4 Modem and this software are sold as a package: the price listed is for both items.



Product Name: Porta View Model PV20, PV20D, PV20+

Vendor: KRI Communications, Inc.

Size: 10" x 10" x 2.5"

Weight: 3 lbs.

Power Source: Rechargeable battery

Cost: $239.00 - $339.00

Porta View is a TDD with a 4-row keyboard, a 20-character display, a printer port, and a battery that will run for three hours between charges. All models use the standard Baudot code.

The Porta View Junior (PV20) sells for $239.00. The Porta View Senior (PV20D), which includes direct connect, keyboard dialing, auto answer (when used with an external printer), and 50 baud international speed, is $269.00. The Porta View Plus (PV20+) is $339.00, and includes all the features of the other models plus 8K memory, memory dialing, tone/pulse dialing, built-in directory, auto answer (with or without printer), remote message retrieval, and an electronic voice message. Available options are a vinyl carrying case, an external 80-column printer, ASCII code (for the PV20D and 20+) and an electronic voice message (for the PV20 and PV20D); contact manufacturer for details.

Product Name: Supercom TDD

Vendor: Ultratec, Inc.

Size: 8.9" x 10" x 2.5"

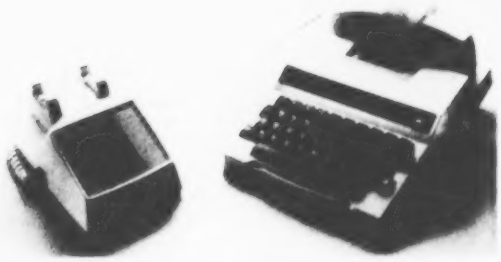
Weight: 2.5 lbs.

Power Source: Rechargeable batteries

Cost: $329.00

The Supercom is a battery-operated TDD, telephone, and auto-answer answering machine. Non-volatile memory (8K) enables messages, recent conversations, an auto-answer message, and up to 10 phone numbers to be stored. Supercom uses the standard Baudot TDD code.

ASCII capability can be added for $49.95. A printer port is also an available option.



Product Name: Superprint 100, 200, 400

Vendor: Ultratec, Inc.

Size: 12.5" x 9" x 3"

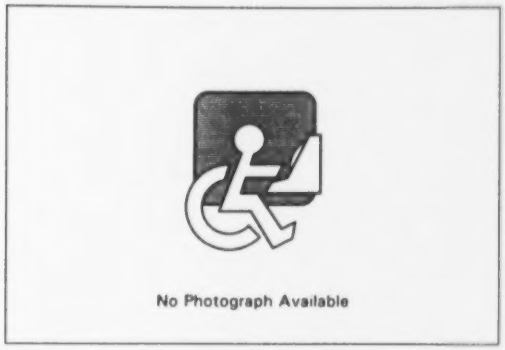
Weight: 4.75 lbs.

Power Source: Rechargeable batteries

Cost: $399.00 - $529.00

Superprint is a portable TDD with a 20-character vacuum fluorescent display and a built-in 24-column printer. Superprint has a 8,000 character memory for composing and sending messages, and is available with the capability of automatically answering incoming calls and sending a stored message to the caller. Superprint is also available with the capability of sending ASCII code as well as the standard Baudot code.

The Superprint line consists of three models. Superprint 100 must be hooked to an external printer (extra) in order to print. Superprint 200 comes with a built-in 24-column printer. Superprint 400 comes with the auto-answer feature, and can be directly connected to a phone line without using the receiver. All models come with a hard case. ASCII capability can be added to any of the units for $49.95. A TDD Announcer feature is available for both new and existing Superprint models. A large visual display is also available, with several options as to the color in which the characters appear; contact manufacturer for details.



Product Name: Superprint ES TDD

Vendor: Ultratec, Inc.

Size: 12.5" x 9" x 3"

Weight: 4.75 lbs.

Power Source: Batteries or AC adapter

Cost: $650.00

The Superprint ES is a telecommunication device for the deaf (TDD) designed for use by emergency services personnel who may receive TDD calls from persons who are deaf. The unit consists of a TDD keyboard and electronic display, and a built-in printer. The date and time is printed at the beginning of each call. Phone numbers may be stored in memory; the last 3,000 characters of conversation are automatically stored and may be reprinted. Superprint ES can accept calls in either ASCII (computer) or Baudot code. An Auto-Answer feature works as an answering machine to record TDD calls.

Product Name: TDD 2700, 2730, and 2830

Vendor: AT & T Accessible Communication Products Center

Size:

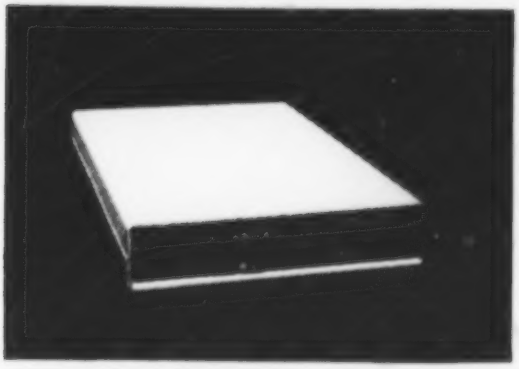
Weight: 2.5 - 3 lbs.

Power Source:

Cost: $249.99 - $549.99

TDD 2700, 2730, and 2830 are lightweight telecommunication devices for the deaf. All models have an alpha-numeric keyboard, 20 character lighted display, signal indicator (which shows dial tone, ringing, and busy signal), connector for external printer, low battery indicator. The TDDs have sensitivity switches to compensate for telephone line static. The handset couplers fit both round and square handsets. In addition to these features, some models have a pulse dialing feature and can run on standard household current as well as rechargeable batteries.

TDD 2700 costs $249.99 and weighs 2.5 lbs.; TDD 2730 costs $369.99, TDD 2830 is $549.99.



Product Name: TDD Detector
Vendor: Ultratec, Inc.
Size: 1.4" x 6.3" x 9.5"
Weight: 1.3 lbs.
Power Source:
Cost: $359.00

TDD Detector is a telephone line monitoring device designed to alert emergency service workers to an incoming TDD call. The unit continuously monitors an incoming phone line; when a TDD call is detected, TDD Detector alerts the operator with a built-in voice announcement. The device can also transmit a message to the TDD caller while the call is transfered to a TDD-equipped operator or while a TDD is connected to the phone line.

TDD Detector recognizes Baudot TDD code. The device has two standard telephone jacks, an off-hook input jack, and a speaker output phone jack. Contact the manufacturer for specific price and telephone system information.

No Photograph Available

Product Name: TE 98 Communicator
Vendor: Auditory Display, Inc.
Size:
Weight:
Power Source: 9V battery
Cost: $325.00

The TE 98 Communicator is a pocket sized telecommunication device for the deaf which uses touchtone signals to send messages. The acoustic coupler can be attached to any phone, except cordless telephones, provided that the individual with whom the user is communicating has a touchtone telephone. Both parties use touchtone buttons to send messages by utilizing a three button code. The TE 98 will show received messages on a small display screen. The device has a "review" function which allows the user to view the last 80 characters on the display. The person using the TE 98 can respond during a phone conversation by sending any of the 81 preprogrammed messages; the user can also designate sequences of buttons to send specified messages. A status indicator feature shows the user when there is a dial tone, ringing signal, or busy signal.

Product Name: TeleBraille II

Vendor: TeleSensory, Inc.

Size: 9" x 9"

Weight:

Power Source: Rechargeable batteries

Cost: $5,750.00

TeleBraille II is a modified TDD system that provides braille input and output. The system consists of two units. One resembles a standard TDD, with a standard alphabet keyboard and visual character display; the other has a braille keyboard and refreshable braille display. In face-to-face conversation, the sighted speaker types text into the standard TDD unit, and the text is translated into braille and can be read by the deaf-blind speaker on the refreshable display. Conversely, the braille text entered by the deaf-blind user appears as standard text on the sighted speaker's visual display. The TeleBraille system can also be used to communicate with other standard TDDs over telephone lines using either Baudot or ASCII code.

Product Name: Ultra-Silent

Vendor: DiRAD Technologies, Inc.

Size:

Weight:

Power Source:

Cost: $20,000.00 and up

Ultra-Silent is a device that adapts a standard automated telephone service to communicate with Telecommunication Devices for the Deaf (TDDs). Ultra-Sound works with a variety of commercial automated telephone services, such as automated attendant, voice mail, transaction processing and interactive voice response (IVR), and eliminates the need for a relay or third party message taker. With Ultra-Silent, all the outgoing and incoming message, information and control capabilities that these systems ordinarily provide to hearing users can be provided to TDD users. This includes providing the caller with touch-tone choice menus, sending pre-recorded outgoing messages, receiving voice mail messages, and communication functions for transaction systems. Ultra-Silent interfaces with all standard PBXs, Centrex, 800 or 900 services.

Ultra-Silent is sold as a "turnkey" package, that is the company provides set-up, customization and service, it can also be added on to an existing system. Contact the company for more specific price information and options.

Chapter 7

Switches and Controls

This chapter includes separately marketed switches and user interfaces (such as joysticks). It covers the wide variety of special switches designed to be operable by people with different physical capabilities. A variety of aids can be controlled with switches, including environmental controls (see Chapter 8), communication aids (see Chapters 3 and 5), and computer access systems (see Chapter 11).

All switches perform the same basic function: they close and open an electrical circuit; that is, they turn something on and off. Some are single switches (which control one circuit), and some are dual or multiple switches. Unless otherwise specified, all the switches are "momentary contact" (the switch is "on" only while the user is activating it) and "normally open" (the switch is on while the user is activating it, off when the user is not activating it). Devices for changing these two modes of operation can be found in Chapter 3.

Switches and user controls which only work with a single communication aid are listed as accessories for that aid. Those that are designed to work only with a particular computer and are not generally usable with other devices do not appear here, but are listed in Chapter 11 or Chapter 12.

Switches have their own separate cross reference index (Index 3) where they are listed by their input and output features. Appendix B includes information on Adaptive Toys and Toy Modifications, and Videotapes on Augmentative Communication and Computer Access. Appendix C lists Service Centers which will evaluate people for selecting switches and controls.

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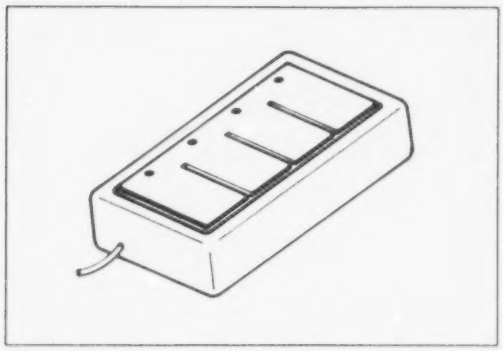


Product Name: 4-Plate Switch: CM-15

Vendor: Zygo Industries, Inc.

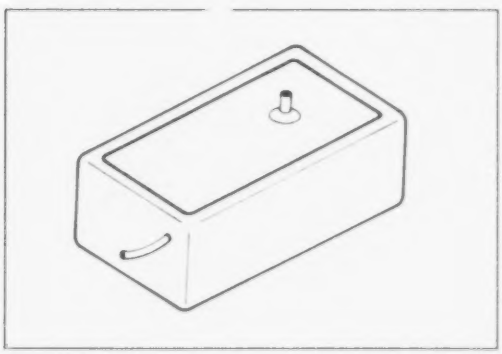
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 8 oz.

Connector Type: 5-pin DIN

Cost: $175.00 - $210.00

4-Plate Switch is a set of four switches housed side-by-side. Each switch is activated by pressing down on its rectangular plastic plate. An audible click accompanies switch activation.



Product Name: 4-Pneumatic Switch: CM-17

Vendor: Zygo Industries, Inc.

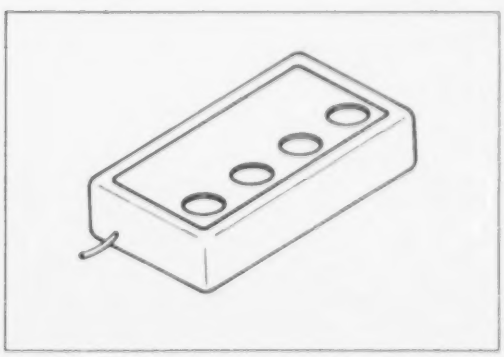
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 0.1 and 0.2 psi

Connector Type: 5-pin DIN

Cost: $290.00

4-Pneumatic Switch is a switching unit that accepts input from one sip-and-puff tube. Different combinations of light and heavy sip and puff serve to activate each of four switches. Any desired tube may be used; one is available as well from the manufacturer (extra). Switch activation is silent.



Product Name: 4-Pushbutton Switch: CM-16

Vendor: Zygo Industries, Inc.

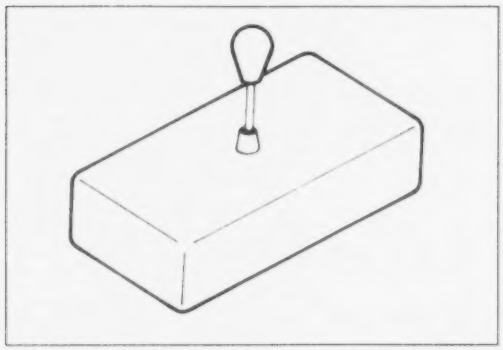
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 4 oz.

Connector Type: 5-pin DIN

Cost: $175.00

4-Pushbutton Switch is a set of four snap-action button switches housed side-by-side, each in a 0.5" diameter recess. Pressing each button activates one switch. An audible click accompanies switch activation.



Product Name: 4-Switch Joystick: CM-19

Vendor: Zygo Industries, Inc.

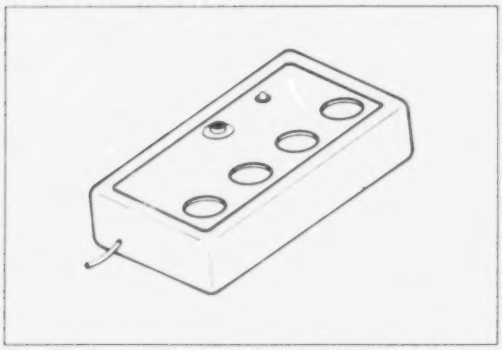
Number of Switches: Joystick (4 or 5 Switches)

Activation Pressure: 11 oz.

Connector Type: 5-pin DIN

Cost: $345.00

4-Switch Joystick is a joystick lever that may be moved in any of four directions. Moving it in a particular direction will activate one switch. This joystick is also available with an additional pushbutton switch.



Product Name: 5-Pushbutton Switch: CM-18

Vendor: Zygo Industries, Inc.

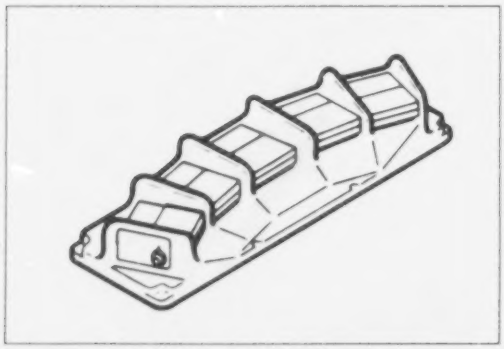
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 6 oz.

Connector Type: 7-pin DIN

Cost: $290.00

5-Pushbutton Switch is a set of four snap-action button switches housed side-by-side, each in a 0.5" diameter recess, with an additional raised pushbutton on the same housing. All switches are activated by being pressed. An audible click accompanies switch activation.



Product Name: 5-Tread Switch Slot Control: CM-50

Vendor: Zygo Industries, Inc.

Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 5 oz.

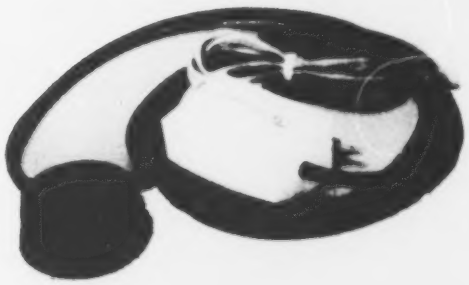
Connector Type: 7-pin DIN

Cost: $315.00 - $345.00

5-Tread Switch Slot Control is a set of five Tread Switches (see Tread Switch, Zygo Industries, Inc.) mounted in an arc array, with dividers between them. The user activates the switches by moving the arm (or other activator) into the appropriate slot and pressing down on the switch. Activation produces a click.

Product Name: Adjustable Pressure Switch
Vendor: Nassau Applied Technology Resource Center
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $108.00

Adjustable Pressure Switch is an air switch with adjustable sensitivity. An internal Call Buzzer is included.

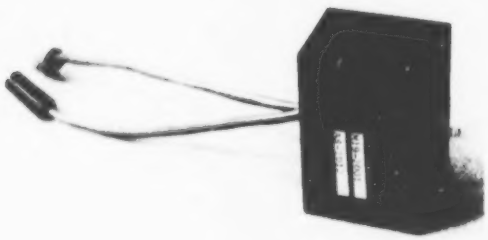


Product Name: Air Cushion Switch
Vendor: ComputAbility Corporation
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: 1/8" mini-phone plug
Cost: $110.00

Air Cushion Switch is a sensitive air bellows which when depressed transmits a change in air pressure along a tube, activating a switch. The switch can be used with any single switch activated device.

Product Name: Air Cushion Switch (Single or Dual)
Vendor: Prentke Romich Company
Number of Switches: Dual Switch, Single Switch
Activation Pressure: 1.7 oz.
Connector Type: Mini-phone plug
Cost: $120.00 - $225.00

These switches consist of an air bellows with a tube leading from it to a switching unit. A light touch on the bellows sends air pressure to the switching unit, where the change in pressure activates a switch. Switching units are available with one or two sets of bellows for single or dual switching. The bellows have a threaded hole for mounting. The single switch (ACS-1) is $120.00; the dual switch (ACS-2) is $225.00.



Product Name: Air Switch

Vendor: Medical Equipment Distributors, Inc. (MED)

Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: Contact manufacturer

This single switch is activated by a change in air pressure in a tube connected to it. It can be activated with either a sip or a puff.

Product Name: Arm Slot Control

Vendor: Prentke Romich Company

Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 4.6 oz.

Connector Type: DC-9 connector

Cost: $345.00

Arm Slot Control is a semicircular array of five lever switches, each in its own slot. The user can activate any of the switches by guiding an arm into the slot and then pressing down on the switch. Dividers between the switches prevent more than one switch from being activated at a time. An audible click is heard when a switch is activated.

Product Name: Armslot Switch Controller ASC-5

Vendor: DU-IT Control Systems Group, Inc.

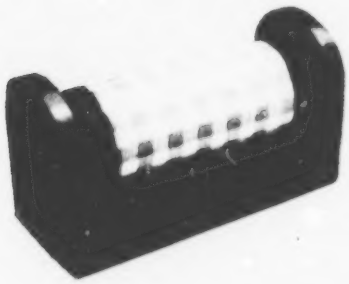
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure:

Connector Type: P310 connector

Cost: $300.00

The Armslot Switch Controller ASC-5 contains five paddle switches arranged in a semicircle so that arm movement cannot activate more than one switch at a time. The switch functions (forward, back, left, right, and select) may be installed in any slot in the configuration best suited to the user. An audible click is heard when a switch is activated.



Product Name: Barrel Switch

Vendor: Handicapped Children's Technological Services, Inc.

Number of Switches: Single Switch

Activation Pressure: None

Connector Type: 1/8" mini-phone plug

Cost: $59.95

Barrel Switch is a cylinder mounted horizonatlly on a wooden base. Switch closure is triggered by rotation of the cylinder.

No Photograph Available

Product Name: BASS Switches

Vendor: Don Johnston Developmental Equipment

Number of Switches:

Activation Pressure:

Connector Type:

Cost: $50.00 each

BASS Switches are large area single switches. The surface area of the switches is 6" x 3.75". The switches provide auditory feedback when activated. BASS switches are available in six colors: blue, yellow, red, green, black, and white. The black and white ones can be purchased together for $90.00, the other colors together for $180.00, or individual switches are $50.00.

Product Name: Bear Switch

Vendor: Tetra

Number of Switches: Single Switch

Activation Pressure: 8 oz.

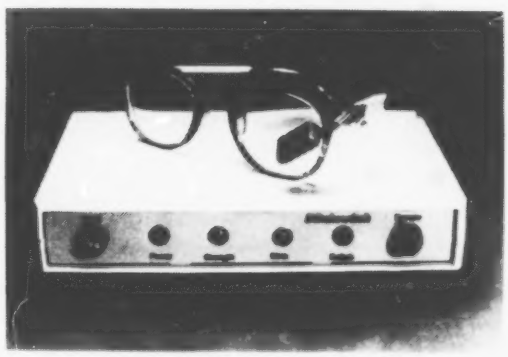
Connector Type:

Cost: $75.00

Bear Switch (formerly called Touch Switch Model 111) is a single switch activated by pressing the top surface. The switch can be set so that it is on only while being touched (momentary), or so that touching it once turns it on and touching it again turns it off (latching).

Product Name: Big Red, Yellow, Green, and Blue
Vendor: AbleNet, Inc.
Number of Switches: Single Switch
Activation Pressure: 20 - 30 g
Connector Type: Mini-phone plug
Cost: $42.00 each

Big Red, Yellow, Green, and Blue is a single push switch made of shatterproof plastic. The switches are 5" in diameter and may be activated by a light touch anywhere on its top surface. They come with a six foot cable and a mini-phone plug connector. An audible click is provided when switch is activated. Each color is sold separately.

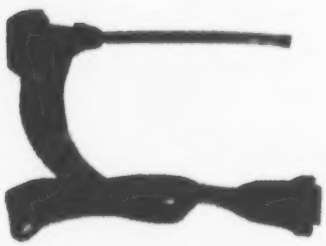


Product Name: BlinkSwitch
Vendor: VME Technologies, Inc.
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $329.95

BlinkSwitch is a miniature sensor and control unit which responds to eye blinks and converts them into single switch input. The infrared sensor mounts onto an eyeglasses frame and sends signals to a separate control unit via a thin cable. The switch has an automatic shut off feature.

Product Name: Body Switch BS-1
Vendor: DU-IT Control Systems Group, Inc.
Number of Switches: Single Switch
Activation Pressure: 3 oz.
Connector Type: Mini-phone plug
Cost: $45.00

The Body Switch is a single switch with a 1.5" diameter pushbutton. The switch is activated by pressure from any convenient body part and can withstand up to 100 lbs. of pressure. Activation is accompanied by an audible click. The Body Switch is intended for use with any device requiring a low current, single switch signal.

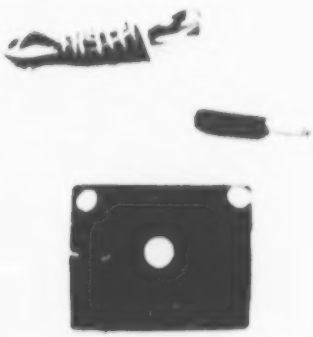


Product Name: Breath Input Device
Vendor: Regenesis Development Corporation
Number of Switches: Dual Switch
Activation Pressure: 2" of water
Connector Type: See text
Cost: $250.00

Breath Input Device (formerly Breath Switch) is a dual switch operated by sip and puff. Three different connectors are available: IBM game port, 25-pin serial, and 9-pin serial. A 25-pin serial will be sent unless otherwise specified.

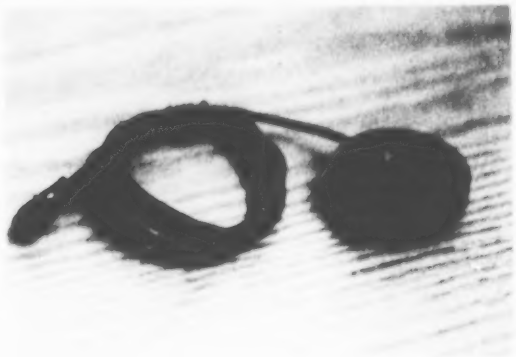
Product Name: Button Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure:
Connector Type:
Cost: $34.50

Button Switch is a switch activated by pressing on a round sensing pad with at least one ounce of pressure. The sensing pad is .30" in diameter. The switch has an adhesive back and 18" of cord.



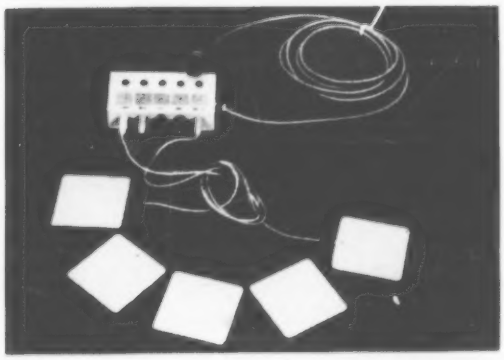
Product Name: Button Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $21.00

Button Switch is activated by pressing a button similar to a doorbell. The button is mounted on a rectangular base with suction cup feet.



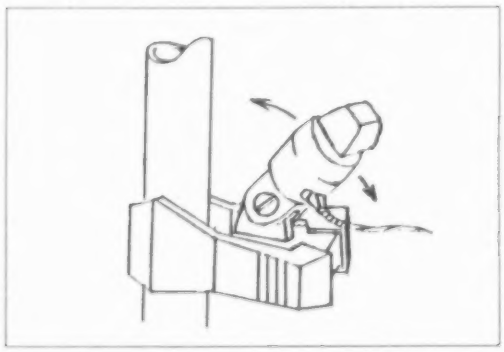
Product Name: Cap Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 9 oz.
Connector Type: 3.5 mm mini-phone plug
Cost: $40.00

Cap Switch is a small single switch controlled by pressing the top surface. Cap Switch provides auditory feedback upon activation.



Product Name: Capacitive Touchplate Interface
Vendor: Hugh MacMillan Rehabilitation Centre
Number of Switches:
Multiple switches (3 to 16 Switches)
Activation Pressure: None
Connector Type: 9-pin DIN or Bundy 14
Cost: $1,200.00

The Capacitive Touchplate system has five individual capacitive touch plate channels. The touch plate is operated from the body's capacitance and requires only contact, no pressure. Three versions are available that alter positions and sizes, to adapt for limited range of motion or force output. The system can control communication aids or wheelchairs.



Product Name: Clamp-On Bump Switch
Vendor: Luminaud, Inc.
Number of Switches: Single Switch
Activation Pressure: 2 oz. or 4 oz.
Connector Type: 3.5 mm mini-phone plug
Cost: $40.00

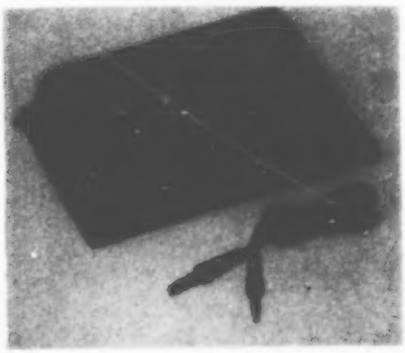
Clamp-On Bump Switch is activated by 2 oz. of pressure on its tip. This switch is designed to be attached to a bed, chair, table, etc. and activated by any convenient part of the body. Both momentary and toggle models are available.

Product Name: Classic Paddle Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 2 lbs.
Connector Type: Mini-phone plug
Cost: $60.00

Classic Paddle Switch is a single switch activated by pressing on a treadle lever. The base of the switch is made of aluminum with a non-skid base. The treadle travels one inch.

Product Name: Coil Spring Wobble Stick Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 3 oz.
Connector Type: Mini-phone plug
Cost: $98.50

Coil Spring Wobble Stick Switch is a single switch activated by any movement of a 4.5" flexible coiled spring. The base is oak. The switch is available for vertical mounting, with either normally open or normally closed contacts.

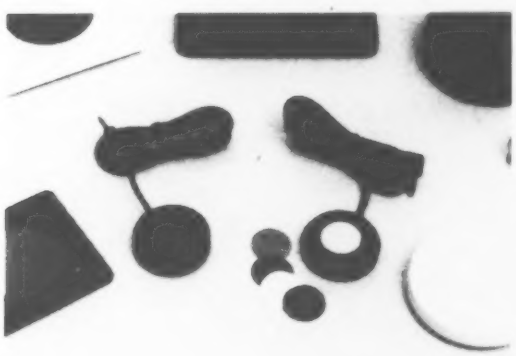


Product Name: Computer Keyboard Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $71.00

Computer Keyboard Switch is a small version of a computer keyboard that functions as a single switch. Pressing any key activates the same switch closure. This switch is designed to accustom the user to causing an event by pressing on a keyboard, and cannot actually function as a computer keyboard.

Product Name: Computer Plate Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $36.00

Computer Plate Switch is a plate switch with a picture of a computer keyboard laminated to the surface of the plate. This switch is designed to accustom the user to striking a computer keyboard to achieve some effect, without the user needing to handle actual computer equipment.

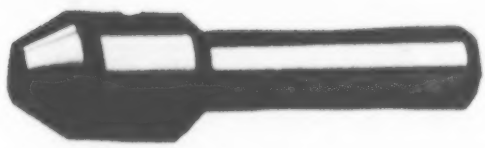


Product Name: Cup Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 9 oz.
Connector Type: 3.5 mm mini-phone plug
Cost: $50.00

The Cup Switch is a Cap Switch (see entry) "cupped" in a plastic base. The base provides a surface for easy mounting on table, pillow or wheelchair bracket. The switch is operated by pressing the top surface. The switch is 1.75" in diameter, 0.5" in height.

Product Name: Custom-Made Switches
Vendor: Various (Generic Product)
Number of Switches:
Activation Pressure:
Connector Type:
Cost: Varies

Generally, at least one of the commercially available switches will work for a client, even if creative mounting is required. However, sometimes existing switches do not suit highly specific needs, and many clinicians continue to make their own switches. It is important for these practitioners to understand how switches work before attempting to construct them. Books on the subject are available.



Product Name: Cylindrical Touch Switch

Vendor: TASH, Inc.

Number of Switches: Dual Switch

Activation Pressure: None

Connector Type: 5-Pin DIN

Cost: $275.00

Cylindrical Touch Switch is a switch activated by skin contact. Two surfaces on the switch can be contacted; each activates a different switch. Cylindrical Touch Switch may require a power supply (extra) to be operated with some devices.

Product Name: Deluxe Paddle Switch II and Mini Deluxe Paddle Switch

Vendor: Creative Switch Industries

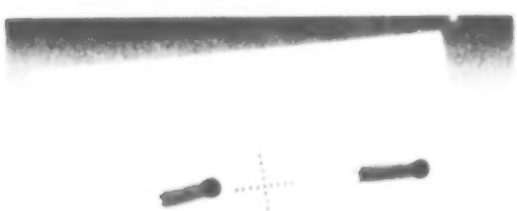
Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $45.00 - $53.50

Deluxe Paddle Switch is a single switch activated by pressing on a 4" x 4" acrylic plate. Activation pressure is adjustable. Deluxe II Paddle Switch ($48.50) has a captive lip on the plate to prevent the plate from being raised inadvertently. Mini Deluxe Paddle Switch ($41.00) is 2.25" x 4" and is designed for mounting on a wheelchair.



Product Name: Developmental Lever Panel

Vendor: Handicapped Children's Technological Services, Inc.

Number of Switches: Dual Switch

Activation Pressure: 4 oz.

Connector Type: Mini-phone plug

Cost: $70.00

Developmental Lever Panel is a switch device with two levers mounted on a speaker which can plug into the auxilliary port to control a tape recorder. The unit is mounted onto a flat object with a C-clamp (extra).

Product Name: Double Paddle Switch

Vendor: Creative Switch Industries

Number of Switches:

Activation Pressure:

Connector Type:

Cost: $77.00 - $79.00

Double Paddle Switch ($70.00) consists of a 12" wooden base with 4" plates at both ends. Two 3' output cords (included) allow two devices to be controlled. A bilateral version of the switch is available ($72.00); contact manufacturer for details.

Product Name: Double Push Panel

Vendor: Handicapped Children's Technological Services, Inc.

Number of Switches: Dual Switch

Activation Pressure: 4 - 5 oz.

Connector Type: 1/8" mini-phone plug

Cost: $89.95

Double Push Panel is a pair of plexiglass panels mounted on a wooden base. Pushing either panel activates a switch. An audible click is heard when the switch is activated.

Product Name: Double-Touch Switch

Vendor: Toys for Special Children, Inc.

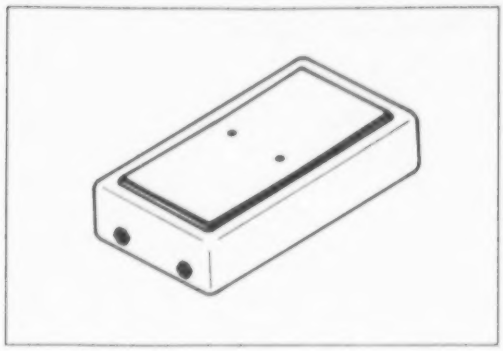
Number of Switches:

Activation Pressure:

Connector Type:

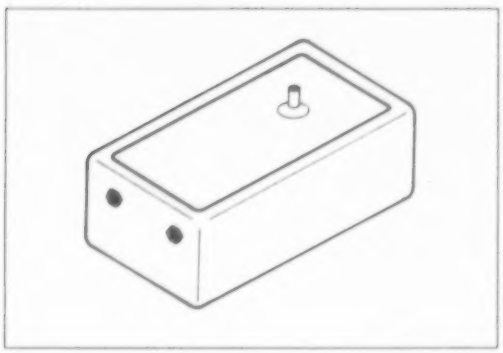
Cost: $43.00

The Double-Touch Switch will operate any toy or device when the user simultaneously touches any body parts to each of the switch's two metal plates. The plates measure 4" x 6".



Product Name: Dual Plate Switch: CM-12
Vendor: Zygo Industries, Inc.
Number of Switches: Dual Switch
Activation Pressure: 8 oz.
Connector Type: Mini-phone plug
Cost: $115.00 - $140.00

This switch is activated by pressing either end of a rocking plate. Pressing one end activates one switch; pressing the other activates the second switch.

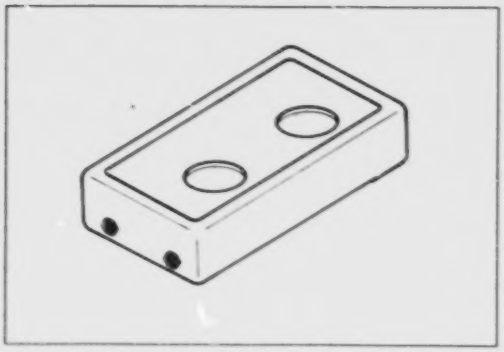


Product Name: Dual Pneumatic Switch: CM-14
Vendor: Zygo Industries, Inc.
Number of Switches: Dual Switch
Activation Pressure: 0.1 psi
Connector Type: Mini-phone plug
Cost: $220.00 - $265.00

Dual Pneumatic Switch is a switching unit activated by sipping or puffing on a tube. Each of the two actions activates a different switch. Any chosen tube may be used; one is available as well from the manufacturer (extra).

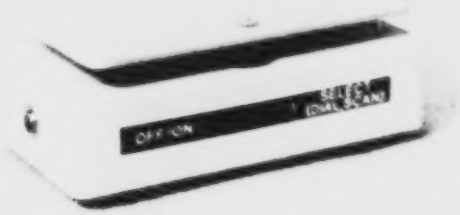
Product Name: Dual Puff-Sip Switch DPS-2
Vendor: DU-IT Control Systems Group, Inc.
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $255.00

The Dual Puff-Sip Switch is a pneumatic dual switch activated by blowing and sucking on the mouthpiece. The switch is mounted in a box that also includes two buttons to permit manual switch operation. The box is mounted on a 34" internally reinforced gooseneck with a clamp. Adapters are available to interface the P-306 plug (included) with other input requirements.



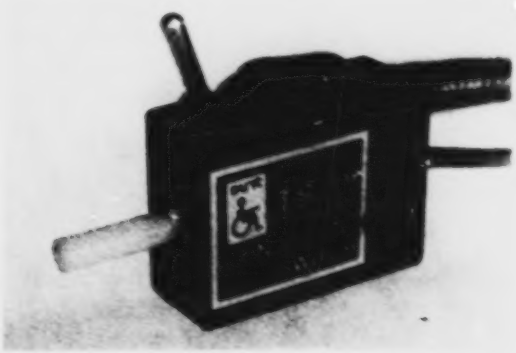
Product Name: Dual Pushbutton Switch: CM-13
Vendor: Zygo Industries, Inc.
Number of Switches: Dual Switch
Activation Pressure: 8 oz.
Connector Type: Mini-phone plug
Cost: $115.00 - $140.00

Dual Pushbutton Switch is a pair of snap-action button switches housed side-by-side, each in a 1.25" diameter recess. Switches are activated by pressing. An audible click is provided when switch is activated.



Product Name: Dual Rocking Lever Switch
Vendor: Prentke Romich Company
Number of Switches: Dual Switch
Activation Pressure: 1.6 oz. to 4.5 oz.
Connector Type: 3.5 mm mini-phone plug
Cost: $85.00 - $90.00

Dual Rocking Lever Switch is a dual switch operated by pushing on either end of a plate. One end activates one switch, the other activates the other switch. The housing is made of plastic, with rubber feet and a threaded hole for mounting. Dual Rocking Lever Switch is available in two models: low or medium activation force.



Product Name: Dual Tongue Switch TS-2C
Vendor: DU-IT Control Systems Group, Inc.
Number of Switches: Dual Switch
Activation Pressure: 0.75 oz. (adjust.)
Connector Type: P306 connector
Cost: $195.00

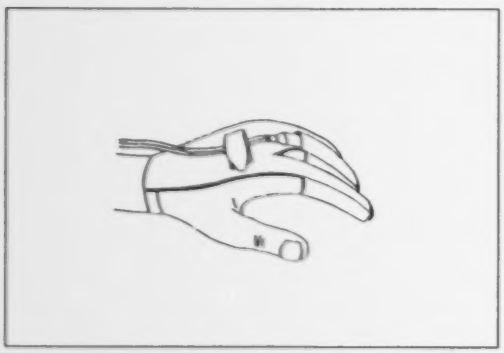
Dual Tongue Switch TS-2C is a minimum pressure, small movement, momentary operation dual switch designed to be operated by tongue, nose, chin, cheek, finger, or other small movement. The switch comes complete with gooseneck and table mounting hardware. An audible click sounds on activation. The switch activates after about .06" travel.

Product Name: Ellipse Switches
Vendor: Don Johnston Developmental Equipment
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $62.50 - $67.50

Ellipse Switches are a family of light-touch switches shaped to fit the hand. The switches have 1/8" miniplugs that can be attached to the I/O port on the Adaptive Firmware Card, the Multiple Switch Box, or FRED (see entries). Switch closure is indicated by a clicking sound. Three sizes are available: Ellipse 1 ($62.50), 3 ($65.00), and 6 ($67.50).

Product Name: Eyebrow Switch
Vendor: Words+, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $35.00

This switch is mounted on a visor. A lever projects down in front of the forehead, resting against it. When the user wrinkles the forehead or raises the eyebrow, the switch is activated. An audible click is provided with switch activation.



Product Name: Finger Flex Switch
Vendor: Luminaud, Inc.
Number of Switches: Single Switch
Activation Pressure: 10 - 25 degrees flex
Connector Type: 3.5 mm mini-phone plug
Cost: $40.00

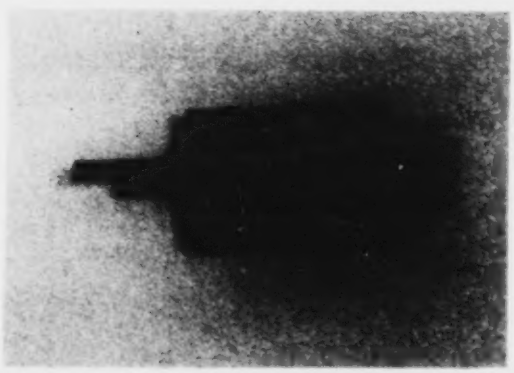
Finger Flex Switch is a switch built into a partial glove. Bending a finger activates the switch. The switch uses a 3.5 mm mini-phone plug as a connector.

Product Name: Flat Air Cushion Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $41.00

Flat Air Cushion Switch is a single switch consisting of a flat circular air bellows and a switching unit connected by a flexible tube. When the bellows is depressed, the change in pressure is transferred along the tube, activating the switching unit, which functions as a regular switch.

Product Name: Flex Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 6 oz.
Connector Type: 1/8" mini-phone plug
Cost: $135.00

Flex Switch is a single switch operated by bending the flexible rubber tip 0.5 inches in any direction. Flex Switch comes mounted on an angled metal rod. The rubber tip can be removed and rotated.



Product Name: Flexit Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: Mini-phone plug
Cost: $31.50 - $41.00

Flexit Switch is a single switch activated by bending a flexible strip. The strip protrudes from a wooden base. Flexit Switch is available in horizontal, vertical, or hand-held models. Activation is silent.

Product Name: Grasp Switch

Vendor: Handicapped Children's Technological Services, Inc.

Number of Switches: Single Switch

Activation Pressure: 6 oz.

Connector Type: 1/8" mini-phone plug

Cost: $42.50

Grasp Switch is a cylindrical switch activated by grasp pressure. The switch requires an activation pressure of approximately six ounces to trigger a response. A 1/8" mini-phone plug is used to connect the switch to the device or toy to be controlled.

Product Name: Grasp Switch

Vendor: TASH, Inc.

Number of Switches: Single Switch

Activation Pressure: 10.5 oz.

Connector Type:

Cost: $100.00

The Grasp Switch from TASH is a single switch that is activated by pinching or squeezing a 1" diameter rubber hand grip. The operating force is 10.5 oz.

Product Name: Grip Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Activation Pressure:

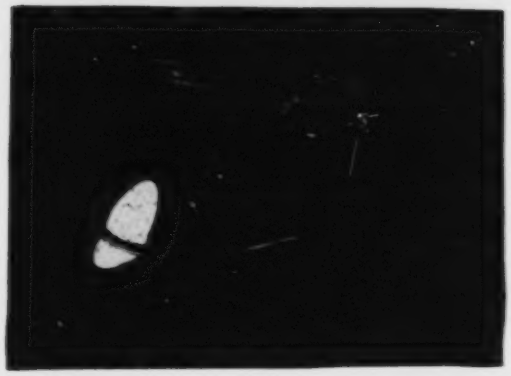
Connector Type: 1/4" or 1/8" phone plug

Cost: $46.00

Grip Switch is a rubber cylindrical air bellows connected by a tube to a switching unit. Grasping the cylinder and exerting slight pressure activates the switching unit, which functions as a regular switch.

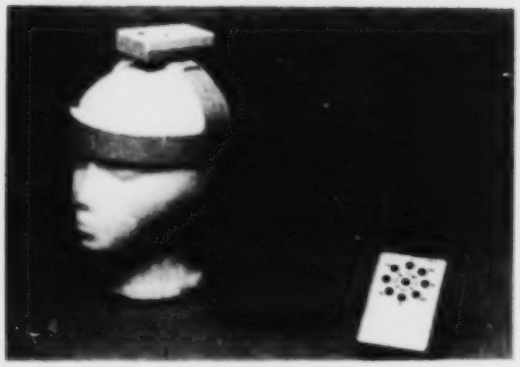
Product Name: Hand Switch
Vendor: ComputAbility Corporation
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: 1/8" mini-phone plug
Cost: $59.95

Easy Action Hand Switch is a lever switch designed to be operated by the hand. Activation lever is 2" long and requires approximately 60 grams of pressure.



Product Name: Head Control Switch
Vendor: Burkhart, Linda J.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $18.95

Head Control Switch is a single switch activated by being tilted. The switch can be mounted on the head or another body part.

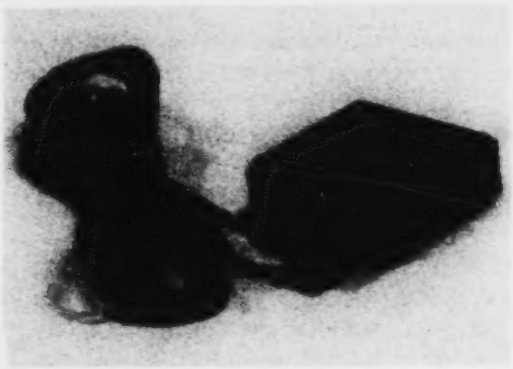


Product Name: Head Position Interface
Vendor: Hugh MacMillan Rehabilitation Centre
Number of Switches: Joystick (4 or 5 Switches)
Activation Pressure:
Connector Type: 6-pin DIN
Cost: $950.00

Head Position Interface is a switching unit that uses four mercury tilt switches to trigger switch closures based upon eight possible positions of the user's head. The control unit is mounted on the user's headband and plugs into the control box of the wheelchair. The seven positions are FWD, REV, FWD RIGHT, FWD LEFT, REV RIGHT, REV LEFT, and DIAG. There is also a neutral position.

Product Name: Head Switch
Vendor: ComputAbility Corporation
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: 1/8" mini-phone plug
Cost: $65.00

Easy Action Head Switch is a lever switch designed to be operated by the hand or head. Padded lever is 3" long and can be attached to a bedframe, mounting rod, etc.



Product Name: Head Switch
Vendor: Tetra
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $28.00

Head Switch is a level sensitive mercury switch which is activated by tilting. It can be attached to any appropriate body part.

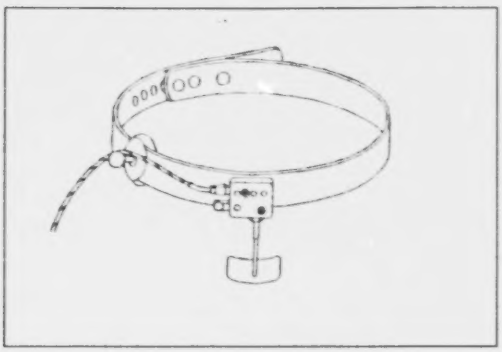
No Photograph Available

Product Name: Head Switch
Vendor: Toys for Special Children, Inc.
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $66.00

The Head Switch is a switch that can be activated by small motions from any body part. Contact manufacturer for information on switch mounting kits (extra).

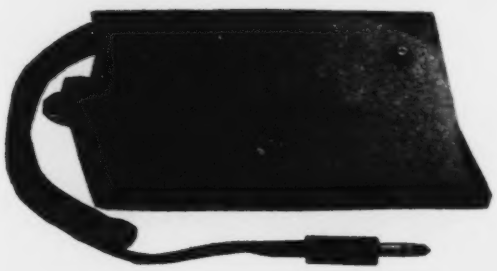
Product Name: Head Switch Kit
Vendor: Burkhart, Linda J.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $11.50

Head Switch Kit provides all the materials for making a tilt-activated switch. The switch can be mounted on the head or other body parts, and is activated when tilted.



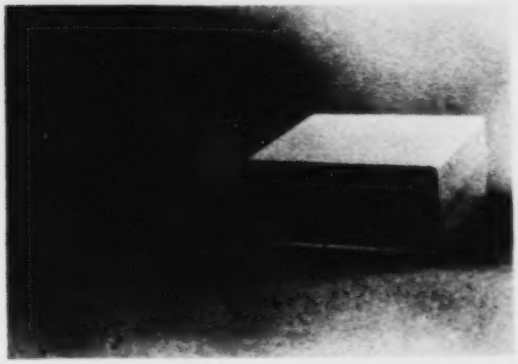
Product Name: Headband Switch
Vendor: Luminaud, Inc.
Number of Switches: Single Switch
Activation Pressure: 1 - 2 oz.
Connector Type: 3.5 mm mini-phone plug
Cost: $65.00

Headband Switch consists of an adjustable headband equipped with a switch that has a small paddle for a lever. The paddle rests on the forehead; raising the forehead muscles activates the switch. The paddle must be taped to the forehead. The switch has a 3.5 mm plug.



Product Name: Intention Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure: 1 oz.
Connector Type: 1/4" or 1/8" phone plug
Cost: $46.00

Intention Switch is a single switch activated by pressing on a plastic plate. The Intention Switch must be pressed for a specific pre-set amount of time before it will activate a device. The required activation time is adjustable (0-12 seconds).



Product Name: Invisible Connection
Vendor: Don Johnston Developmental Equipment
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $275.00

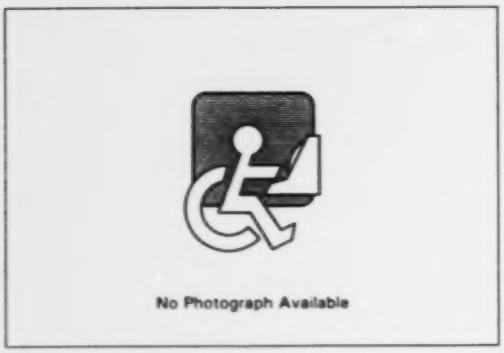
Invisible Connection is an infrared controller used to activate switch-operated devices such as the Adaptive Firmware Card (see entry), single switch environmental control units, and switch-adapted toys. A dual feature allows wireless transmission between two switches and two devices. The transmitter has a 10 to 15 foot range and a 170 degree range of acceptance.

Product Name: IST Switch
Vendor: Words+, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $295.00 - $495.00

The IST (Infrared, Sound, Touch) Switch (formerly Infrared Switch) is a zero-force switch that can be used with virtually any body movement. A sensitivity adjustment allows the switch to be set to detect different movements. The switch is $295.00 with any one of the sensors and $495.00 with all three.

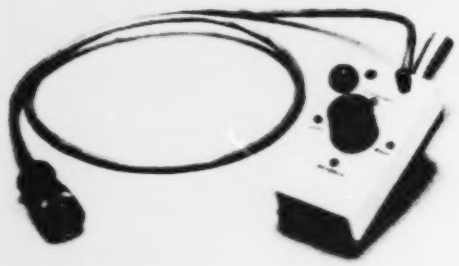
Product Name: Jelly Bean
Vendor: AbleNet, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type:
Cost: $42.00

Jelly Bean is a switch activated by light pressure. The switch is contained in a shatter-proof disk which is two and one half inches in size. The entire surface of Jelly Bean is sensitive, so it can used while placed on a table, wall, or tray surface as well as operated through head control. A Jelly Bean Mounting Plate is available (extra). This switch comes in four colors: red, green, yellow, and black.



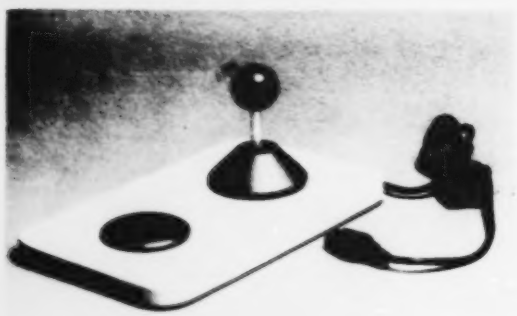
Product Name: Joystick
Vendor: Toys for Special Children, Inc.
Number of Switches: Joystick (4 or 5 Switches)
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $50.00

This joystick has a cylindrical handle and a thin base. Pushing the handle in each of four directions activates one of four devices.



Product Name: Joystick Interface Control
Vendor: Hugh MacMillan Rehabilitation Centre
Number of Switches: Joystick (4 or 5 Switches)
Activation Pressure: 1.13" travel
Connector Type: See text
Cost: $700.00

The Joystick Interface Control is a four-microswitch, non-gated, eight-position joystick that can activate switches individually or adjacent switches simultaneously. It is adaptable to communication aids using this kind of switching. The Joystick is of the "X" format and the push travel to activate the switches is 1-1/8". A variety of connectors, knobs and bars are available; contact Hugh MacMillan for details.

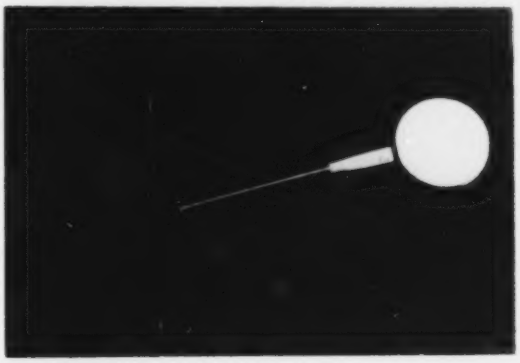


Product Name: Joystick with Pad Switch
Vendor: TASH, Inc.
Number of Switches: Joystick (4 or 5 Switches)
Activation Pressure: 7 oz.
Connector Type: 9-Pin DIN
Cost: $275.00

Joystick with Pad Switch is a four position gated joystick, with four slotted directions of movement. The fifth switch is a pad switch used for control action.

Product Name: L.T. Switch
Vendor: Don Johnston Developmental Equipment
Number of Switches: Single Switch
Activation Pressure: 0.75 oz.
Connector Type: Mini-phone plug
Cost: $46.00

The L.T. Switch is designed for users with limited strength. The L.T. Switch is activated with 0.75 ounce of pressure, and emits a click when activated.

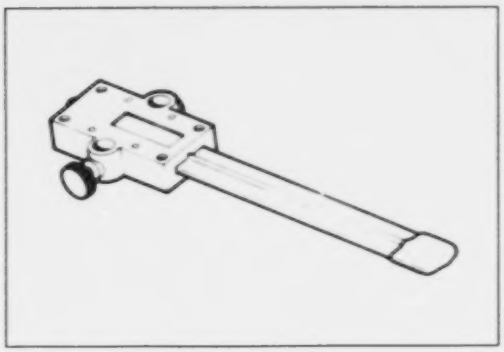


Product Name: Leaf Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: 1/8" mini-phone plug
Cost: $100.00

The Leaf Switch is a single switch operated by pressing one side of the leaf. The tip of the leaf requires 1/4" of movement for operation. The Leaf Switch has a removeable 3" diameter foam pad. Mounting requires additional tubular mounting hardware.

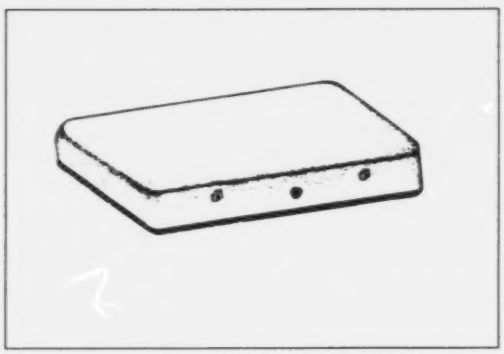
Product Name: Leaf Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $26.00

This switch consists of a vinyl covered flexible spring. When a very light, delicate touch is applied, the switch is activated. The deflection angle should not exceed 45 degrees.



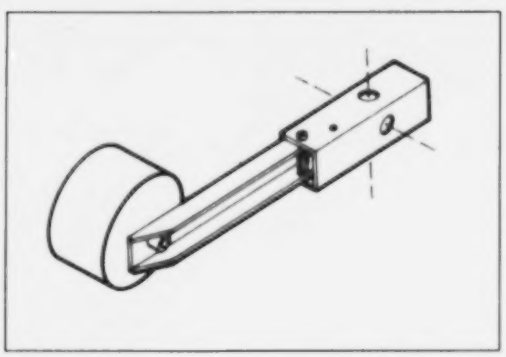
Product Name: Leaf Switch: CM-2/CM-7
Vendor: Zygo Industries, Inc.
Number of Switches: Single Switch
Activation Pressure: 1 oz.
Connector Type: Mini-phone plug
Cost: $65.00

This switch has a protruding flat vinyl-covered metal leaf. Any flexion of the leaf activates a switch. The base has holes for mounting. Two different leaf lengths are available.



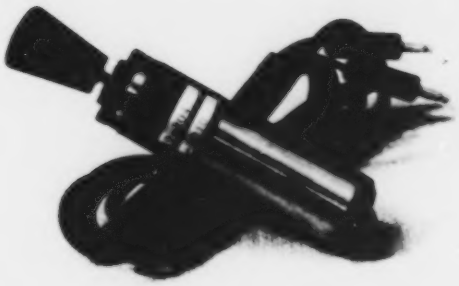
Product Name: Left/Right Rocker Switch
Vendor: Don Johnston Developmental Equipment
Number of Switches: Dual Switch
Activation Pressure: 5 oz.
Connector Type: 1/8" mini-phone plug
Cost: $70.00

Left/Right Rocker Switch is a dual switch activated by pressing the plate on either side. Pressing one end activates one switch; pressing the other end activates the second. An auditory click is produced when a switch is activated.



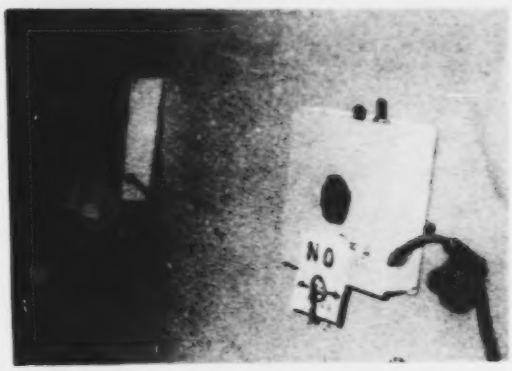
Product Name: Lever Switch: CM-8/CM-9
Vendor: Zygo Industries, Inc.
Number of Switches: Single Switch
Activation Pressure: 4 - 8 oz.
Connector Type: Mini-phone plug
Cost: $110.00

This switch is activated by pressing against a padded lever. The lever must travel 0.06" for activation. Switch CM-8 is 9" long; switch CM-9 is 7" long. A variety of mounting systems are available, including double-sided and quick-adjust swing-away.



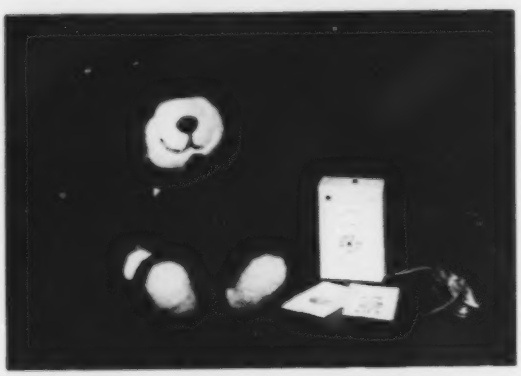
Product Name: Light Touch Lever Switch
Vendor: Medical Equipment Distributors, Inc. (MED)
Number of Switches: Single Switch
Activation Pressure: Less than 4 oz.
Connector Type: Mini-phone plug
Cost: Contact manufacturer

This dual switch has a short protruding lever. Pushing on the lever activates the switch. Moving the lever to one side operates one switch and moving it to the other side operates another switch.



Product Name: Light-Activated Switch
Vendor: Burkhart, Linda J.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $49.95

Light-Activated Switch is a switch activated by directing a light pointer at a light-sensitive panel. A Light Pointer is available from the same manufacturer (see entry); certain models by other manufacturers will also work.

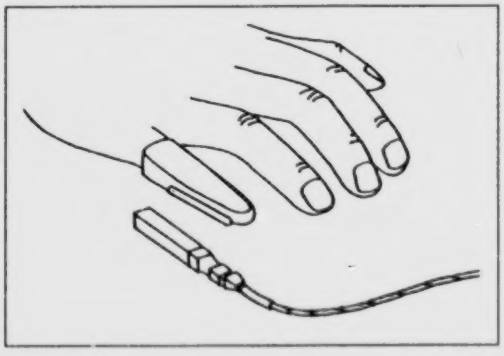


Product Name: LightSwitch
Vendor: Ability Research, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type:
Cost: $129.00

The LightSwitch is light-activated switch which can control electronic devices and toys. The switch is activated by using a light pointer or a penlight (extra). When a light spot of up to 3" in diameter is directed at this switch it responds by providing a switch closure. The switch can be activated for a moment, by using a pushbutton, or continously, by using the on/off control. Two press-on overlays are included.

Product Name: Low Force Adjustable Rod Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: Mini-phone plug
Cost: $82.00

Low Force Adjustable Rod Switch is a single switch activated by pushing or pulling on a thin 6" rod. The rod bracket can be adjusted 360 degrees horizontally, and the rod can be adjusted 270 degrees vertically. The rod can also be bent to form a loop or other desired configuration.

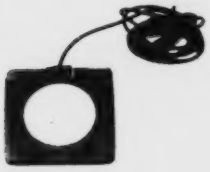


Product Name: Magnetic Finger Switch
Vendor: Luminaud, Inc.
Number of Switches: Single Switch
Activation Pressure: 0.38" movement
Connector Type: 3.5 mm mini-phone plug
Cost: $40.00

Magnetic Finger Switch consists of a finger sleeve containing a magnet, plus a small external switch unit. A small movement of the finger toward the switch unit activates the switch. The switch has a 3.5 mm plug.

Product Name: Mat Switch
Vendor: Creative Switch Industries
Number of Switches:
Activation Pressure:
Connector Type: 3.5 mm mini-phone plug
Cost: $53.00 - $146.00

Mat Switches are flexible mats available in three sizes (small 6" x 23" with 18" cord; medium 17" x 23" with 6' cord; large 23" x 35" with 6' cord) with a switch that requires five pounds of pressure to activate. All mats are equipped with a 3.5 mm miniature plug and washable denim covers.



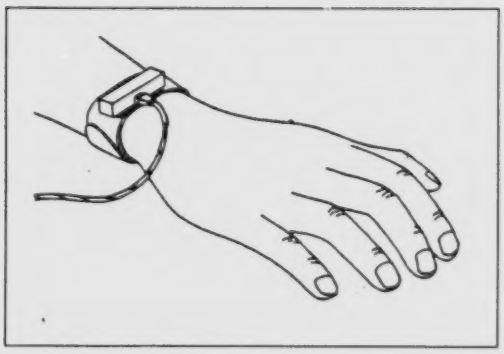
Product Name: Membrane Plate Switch
Vendor: Crestwood Company
Number of Switches: Single Switch
Activation Pressure: 2.0 oz.
Connector Type: Mini-phone plug
Cost: $60.00

The Membrane Plate Switch is a thin membrane switch operated by 2.0 ounces of force. The Membrane Plate Switch comes with a five foot cable and a mini-phone plug connector.

No Photograph Available

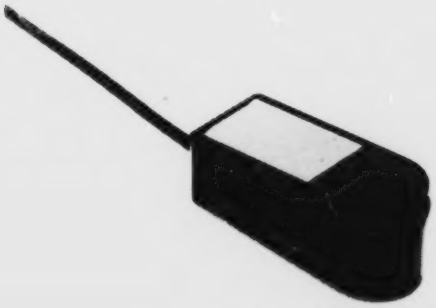
Product Name: Mercury Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $16.50 - $27.50

Mercury Switch is a single switch activated by tilting. Three models of handles are available: miniature cylinders for head mounting, wood handles, and plastic tubes for hand use.



Product Name: Mercury Tilt Switch
Vendor: Luminaud, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 3.5 mm mini-phone plug
Cost: $40.00

Mercury Tilt switch is activated by a change in position. This switch comes with a Velcro band for attaching to the wrist, arm, leg, etc. The switch has a 3.5 mm plug.

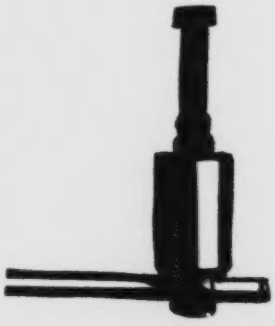


Product Name: Micro Light Switch
Vendor: TASH, Inc.
Number of Switches:
Activation Pressure: .5 oz.
Connector Type:
Cost: $55.00

Micro Light Switch is a pressure switch requiring .5 oz. of pressure for activation. The switch features a threaded screw insert (screw must be purchased separately) or may be mounted with double-sided tape or Velcro.

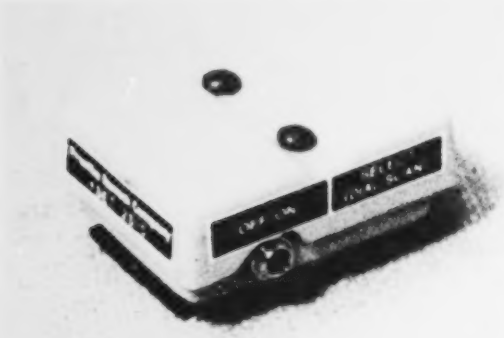
Product Name: Mini Cup Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 5 oz.
Connector Type: 3.5 mm mini-phone plug
Cost: $40.00

This is the smallest single switch produced by TASH, Inc. It has a diameter of 1", and a height of 5/16". As with the larger Cup Switch, it is a Cap Switch in a plastic base which provides a surface for easy mounting on table, pillow or wheelchair bracket. The switch is operated by pressing the top surface.



Product Name: Mini Joystick with Push Switch
Vendor: TASH, Inc.
Number of Switches: Joystick (4 or 5 Switches)
Activation Pressure: 4 - 7 oz.
Connector Type: 9-Pin DIN
Cost: $230.00

Mini Joystick with Push Switch is a four position short stroke (0.5") ungated joystick with a flexible rubber shaft. This joystick can have two switch closures simultaneously, such as moving both diagonally and down the screen. Pushing down on the shaft activates the fifth switch.



Product Name: Mini Rocking Lever Switch

Vendor: Prentke Romich Company

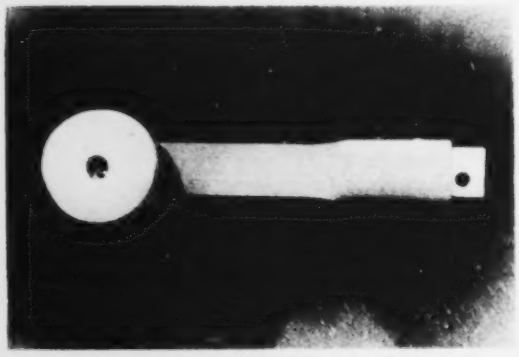
Number of Switches: Dual Switch

Activation Pressure: 1.7 oz.

Connector Type: Stereo mini-phone plug

Cost: $110.00

Mini Rocking Lever Switch is a small dual switch operated by pressing the plate on top. Pressing one side activates one switch; pressing the other side activates the other. Hook-and-loop type material for mounting comes on the bottom.



Product Name: Mounting Switch

Vendor: Don Johnston Developmental Equipment

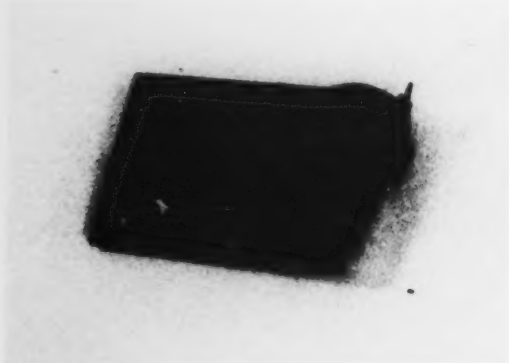
Number of Switches: Single Switch

Activation Pressure: 1 - 3 oz.

Connector Type: 1/8" mini-phone plug

Cost: $72.50

The Mounting Switch is a versatile switch that may be mounted in a variety of locations and shaped for optimal positioning. The activation pressure of the Mounting Switch may be adjusted from one to three ounces. An audible click is emitted by the Mounting Switch when the switch is closed.



Product Name: Multi-Control Press Switch

Vendor: Creative Switch Industries

Number of Switches: Dual Switch, Multiple switches (3 to 16 Switches), Single Switch

Activation Pressure: 1.5 lbs.

Connector Type: Mini-phone plug

Cost: $82.00 - $87.00

Multi-Contro! Press Switch is a single, dual or triple switch. One switch is activated by pressing on a large plate. One or two side bars requiring slightly higher activation pressure comprise the other switches.

Product Name: P-Switch
Vendor: Prentke Romich Company
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $250.00

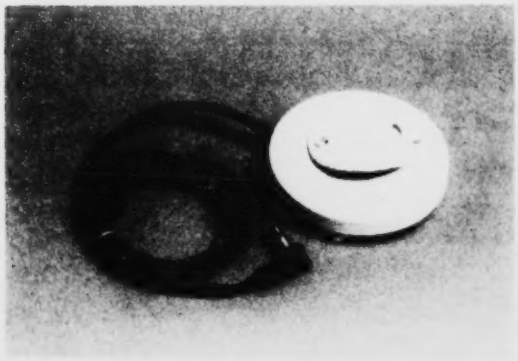
The P-Switch is a sensitive electronic switch which can be activated by almost any muscle movement. When any surface in contact with the switch moves (e.g., the skin of the forehead when the brow is wrinkled), the wafer sends a signal to the switch unit. Sensitivity of the P-Switch can be adjusted. Light and optional audible tone indicate when the switch is activated.

Product Name: Penta Switch
Vendor: TASH, Inc.
Number of Switches:
Multiple switches (3 to 16 Switches)
Activation Pressure: 4 oz.
Connector Type: 9-Pin DIN
Cost: $150.00

Penta Switch is a set of five small button switches fitted in a disk-shaped housing.

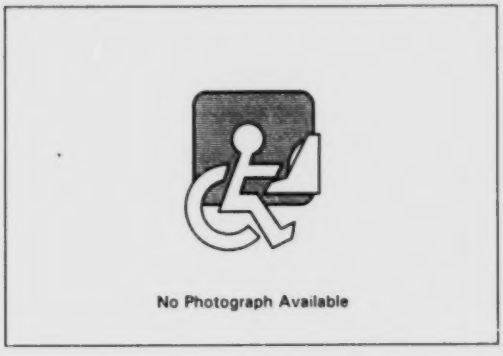
Product Name: Photo Cell Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $41.00

Photo Cell Switch is a switch operated by interrupting a light beam. Any body part that can interrupt the beam can activate the switch.



Product Name: Pillow Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 6 oz.
Connector Type: 1/8" mini-phone plug
Cost: $80.00

The Pillow Switch is a single switch operated by pressing the top foam surface. A pin and a velcro strip are attached to the bottom of the switch for fastening to a pillow or to clothing.



Product Name: Pinch Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 2 lbs.
Connector Type: Mini-phone plug
Cost: $16.50 - $17.00

Pinch Switch is a single switch activated by pinching on a small round or rectangular tab. Activation is silent.

Product Name: Pinch Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $21.00

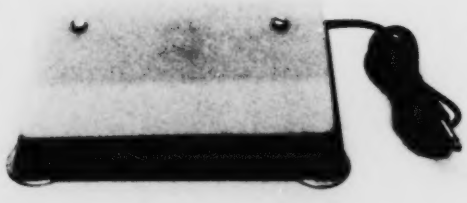
This switch consists of a small, thin, wafer-like button. The user pinches lightly on the wafer and the switch is activated.

Product Name: Plate Switch
Vendor: Don Johnston Developmental Equipment
Number of Switches: Single Switch
Activation Pressure: 3 oz.
Connector Type: Mini-phone plug
Cost: $46.00

This Plate Switch is activated by 3 ounces of pressure, and offers a click as audible feedback.

Product Name: Plate Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: 1/8" mini-phone plug
Cost: $60.00

This Plate Switch is a very thin single membrane switch. A colored circle on the surface marks the pressure sensitive area. Available in red, green, yellow, blue and orange.

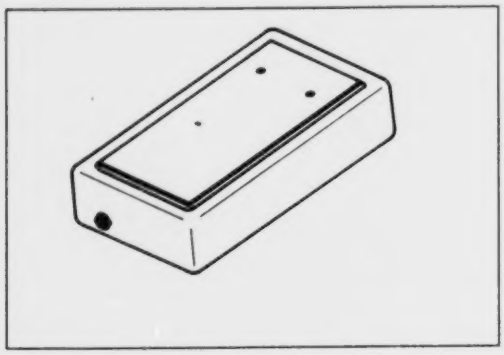


Product Name: Plate Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $17.00 - $45.00

This switch is activated by pressing the plate on top. Suction cup feet are provided for stability. Other available models (extra) are a Musical Plate Switch (with a built-in music box), a Lighted Plate Switch and Musical Plate Switch, a Mirror Plate Switch, a Vibrating Plate Switch, a Plate Switch with Timer and a Plate Switch with Latch.

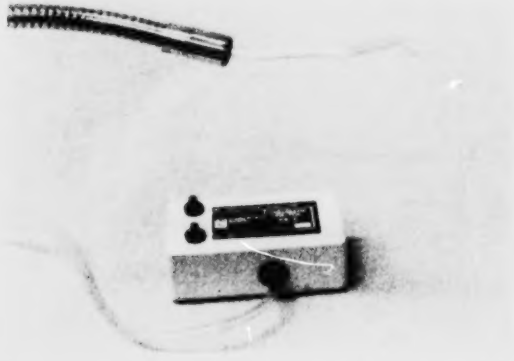
Product Name: Plate Switch On Stand
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $36.00

Plate Switch on Stand is a switch activated by pressing on a plate. The switch is mounted on a gooseneck which has a stand for stability.



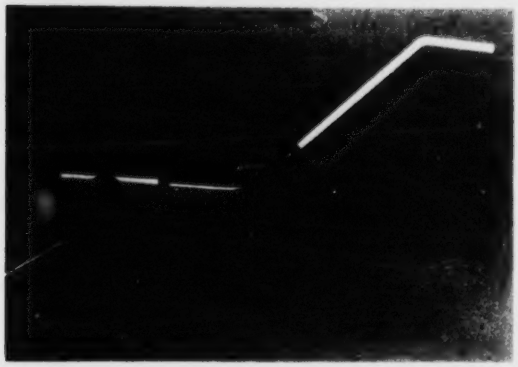
Product Name: Plate Switch: CM-10
Vendor: Zygo Industries, Inc.
Number of Switches: Single Switch
Activation Pressure: 1.5 oz.
Connector Type: Mini-phone plug
Cost: $95.00

This single switch is activated by pressing on the plate on top. An audible click accompanies activation.



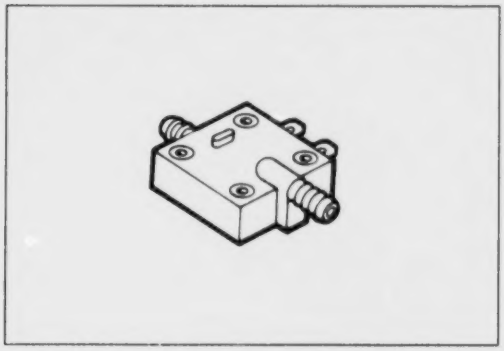
Product Name: Pneumatic Switch
Vendor: Prentke Romich Company
Number of Switches: Dual Switch
Activation Pressure: 4 cm of water
Connector Type: Stereo mini-phone plug
Cost: $285.00

Pneumatic Switch is a dual switch activated by sipping or puffing. A tube (which can be mounted for convenient access) has a mouthpiece attached. The user sips or puffs on the mouthpiece, and the change in air pressure is transferred along the tube to a switching unit. This unit activates one switch for sipping, one for puffing.



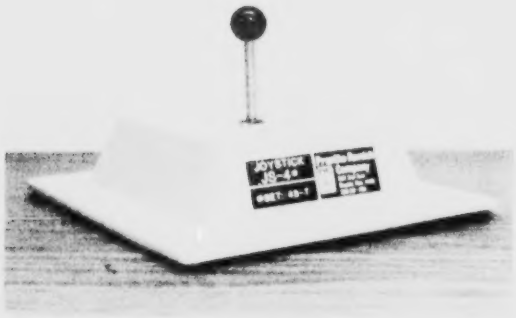
Product Name: Pneumatic Switch
Vendor: TASH, Inc.
Number of Switches: Dual Switch
Activation Pressure:
Connector Type: 5-Pin DIN
Cost: $235.00

Pneumatic Switch is a dual switch operated by breathing through a tube. Sipping activates one switch; puffing activates the other. Pneumatic Switch has an internal saliva trap which can be cleaned. The mouthpiece is a disposable straw.



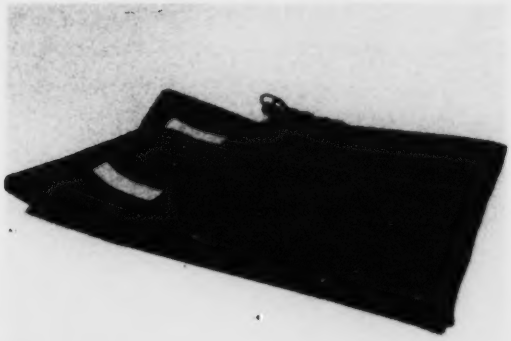
Product Name: Pneumatic Switch: CM-3
Vendor: Zygo Industries, Inc.
Number of Switches: Dual Switch
Activation Pressure: 0.02 psi
Connector Type: Mini-phone plug
Cost: $75.00

The Pneumatic Switch is a single switch controlled by sipping or puffing. Any small change in air pressure in the tube (caused by pursing the lips, moving the tongue, etc.) causes the switch to be activated. Attaching two switches "piggy back" allows the user to operate two switches with a single mouth tube.



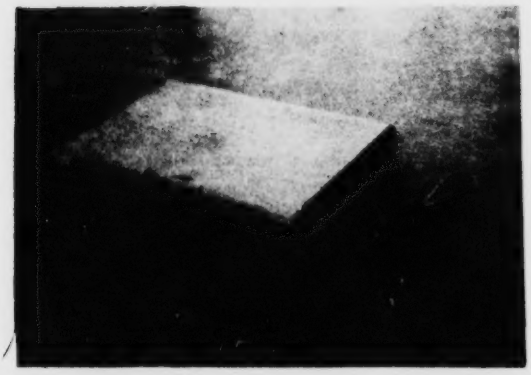
Product Name: PRC Joystick
Vendor: Prentke Romich Company
Number of Switches: Joystick (4 or 5 Switches)
Activation Pressure: 5.1 oz.
Connector Type: DC 9
Cost: $220.00

The PRC joystick is activated by pushing the handle in any of four directions. Each direction activates one of four switches. When used to control a scanning device, pushing diagonally may allow for diagonal scanning.



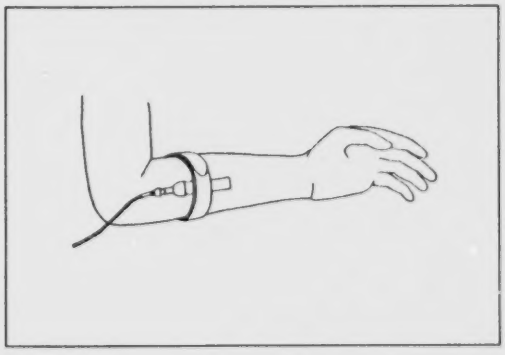
Product Name: Pressure Pad Switch
Vendor: Tetra
Number of Switches: Single Switch
Activation Pressure: 2 lbs.
Connector Type:
Cost: $26.00

Pressure Pad Switch is a large flat switch in a Naugahyde casing. An area 9" x 9" can be pressed to activate the switch.



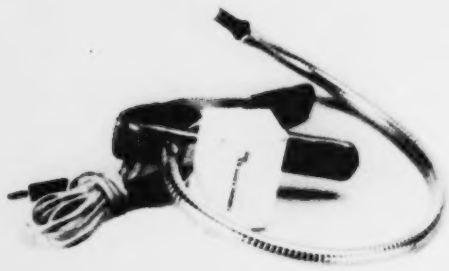
Product Name: Pressure Switch
Vendor: Burkhart, Linda J.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $24.50

Pressure Switch is a single switch activated by lightly pressing on a large plastic plate. The plate is 7" x 10" and the base of the switch is made of wood.



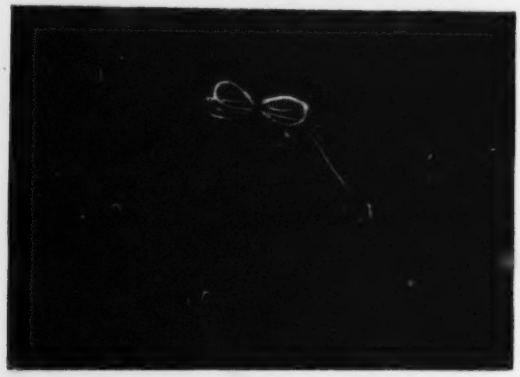
Product Name: Pressure Switch
Vendor: Luminaud, Inc.
Number of Switches: Single Switch
Activation Pressure: Adjustable
Connector Type: 3.5 mm mini-phone plug
Cost: $40.00

Pressure Switch is designed to be worn on the upper arm, lower arm, knee, etc. Pressure against the switch activates it.



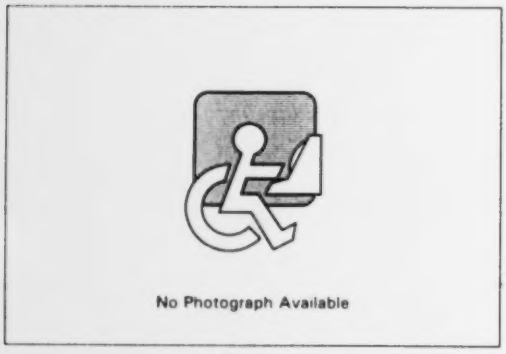
Product Name: Puff Switch
Vendor: ComputAbility Corporation
Number of Switches: Single Switch
Activation Pressure: 0.102 psi
Connector Type: 1/8" mini-phone plug
Cost: $125.00

Puff Switch is a switch activated by puffing into a mouthpiece attached to a tube. The switch comes with a 20" gooseneck. The switch and gooseneck mount on a heavy duty clamp for attachment to wheelchair or table.



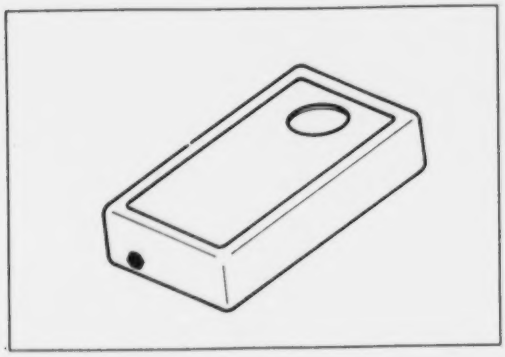
Product Name: Pull Switch
Vendor: Burkhart, Linda J.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $18.95

Pull Switch is a single switch activated by pulling on a ring attached to a cord. The switch is designed to be suspended above the user with the ring hanging down.



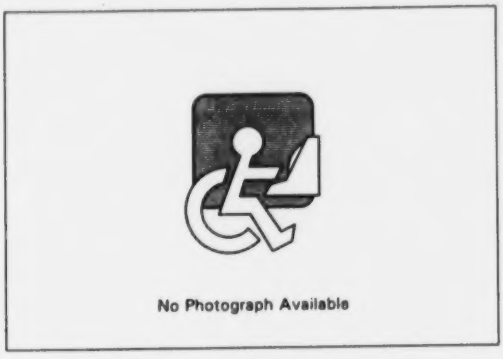
Product Name: Pull Switch and Overhead Pull Switch
Vendor: Toys for Special Children, Inc.
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $25.00 - $36.00

Pull Switch and Overhead Pull Switch are activated by a gentle tug on an interchangeable ring or ball. Pull Switch ($25.00) comes with suction cups and a ball. Overhead Pull Switch ($36.00) comes with a ball and a ring.



Product Name: Pushbutton Switch: CM-11
Vendor: Zygo Industries, Inc.
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: Mini-phone plug
Cost: $95.00

Pushbutton Switch is a single snap-action switch. To activate the switch, the user presses a round button located in a 1.25" diameter recess.



Product Name: Ring Stack Switch
Vendor: Tetra
Number of Switches: Single Switch
Activation Pressure:
Connector Type:
Cost: $88.00

Ring Stack Switch is a switch activated by placing or removing any of a set of rings. Magnets in the rings activate a reed switch in the center pole.

Product Name: Rocker Switch
Vendor: Medical Equipment Distributors, Inc. (MED)
Number of Switches: Dual Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: Contact manufacturer

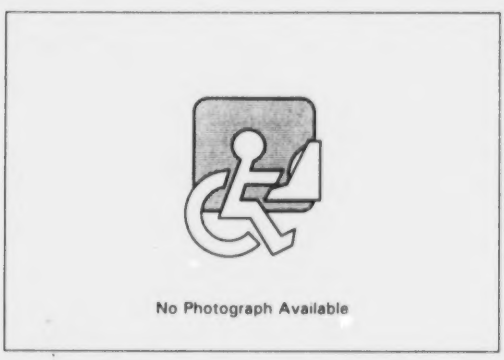
This dual switch is activated by pressing down on either end of the plate on top. Pressing one end activates one switch; pressing on the other end activates the other.

Product Name: Rocker Switch
Vendor: TASH, Inc.
Number of Switches: Dual Switch
Activation Pressure: 5 oz.
Connector Type: 5-Pin DIN
Cost: $110.00

The Rocker Switch is a dual switch operated by pressing either side of the switch. The Rocker Switch may be used to control a device requiring two switches for operation, or to control two devices requiring a single switch.

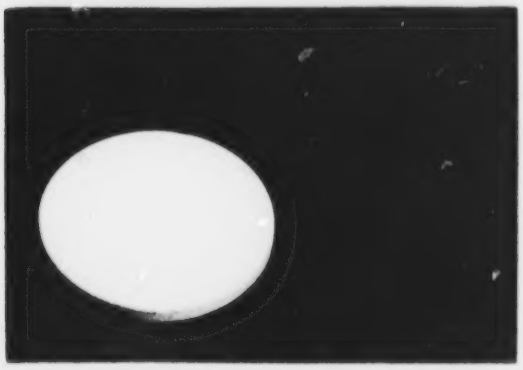
Product Name: Rocking Plate Switch and Small Rocking Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Dual Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $27.00 - $36.00

Rocking Plate Switch ($27.00) and Small Rocking Switch ($36.00) are dual switches activated by pressing on either end of a long plate. Pressing one end activates one switch; pressing the other end activates the second. Suction cup feet are provided for stability.



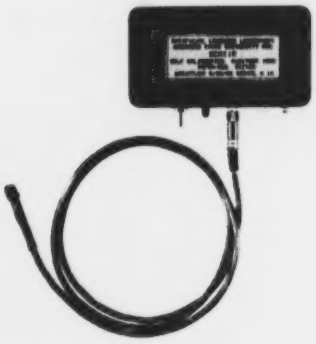
Product Name: Roller Switch Music Box
Vendor: Toys for Special Children, Inc.
Number of Switches:
Activation Pressure:
Connector Type:
Cost: Contact manufacturer

The Roller Switch Music Box is a wooden cylinder switch that may be attached to a toy or other device. The device is activated when the cylinder is rolled in either direction. The switch will play music when no device is attached. Contact manufacturer for information on devices that can be controlled by this switch.



Product Name: Round Pad Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 6 oz.
Connector Type: 1/8" mini-phone plug
Cost: $70.00

Round Pad Switch is a disk-shaped single switch activated by pressure on the top surface.

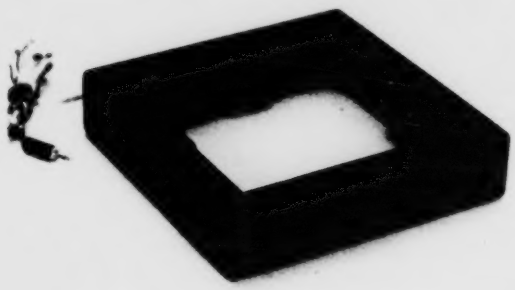


Product Name: SCATIR
Vendor: Artificial Language Laboratory
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $125.00

The Self-Calibrating Auditory Tone Infrared (SCATIR) switch is activated by the movement of any body part from a distance of up to 3" from the sensor. Two modes (manual and self-calibrating) set this activation distance. A gooseneck mounted sensor is available for $30.00.

Product Name: Sensor Switch
Vendor: Don Johnston Developmental Equipment
Number of Switches: Single Switch
Activation Pressure:
Connector Type:
Cost: $280.00

The Sensor Switch is a dual switch activated by small controlled muscle movement. Auditory and visual feedback is provided. The switch comes with a head band for mounting. The switch operates in latch, timed, or momentary modes.



Product Name: Single Push Panel

Vendor: Handicapped Children's Technological Services, Inc.

Number of Switches: Single Switch

Activation Pressure: 6 oz.

Connector Type: 1/8" mini-phone plug

Cost: $59.95

Single Push Panel is a plexiglass panel mounted on a wooden base. Switch is activated by pushing the panel.

Product Name: Single Rocking Lever Switch

Vendor: Prentke Romich Company

Number of Switches: Single Switch

Activation Pressure: 1.2 - 3.9 oz.

Connector Type: Mini-phone plug

Cost: $70.00

Single Rocking Lever Switch is a single switch activated by depressing the plate on top. The switch housing is made of plastic, has rubber feet on the bottom and a threaded hole for mounting. Single Rocking Lever Switch comes in two models: low and medium force.

Product Name: Sip & Puff Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Activation Pressure:

Connector Type: 1/4" or 1/8" phone plug

Cost: $37.00 - $49.00

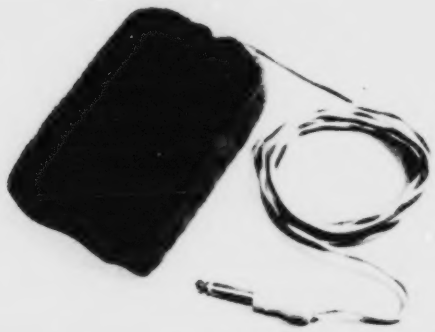
This single switch is activated by either sipping or puffing into a tube. The tube is attached to a housing where the actual switch is located. Four different models are available; contact manufacturer for details.

Product Name: Sip and Puff Switch
Vendor: ComputAbility Corporation
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $149.95

Sip and Puff Switch is a dual action breath-controlled switch. The first switch is activated by a sip, and the second by a puff. The switch may be mounted to a table top or wheelchair using a 20" gooseneck mount (included). Removable mouthpieces are included.

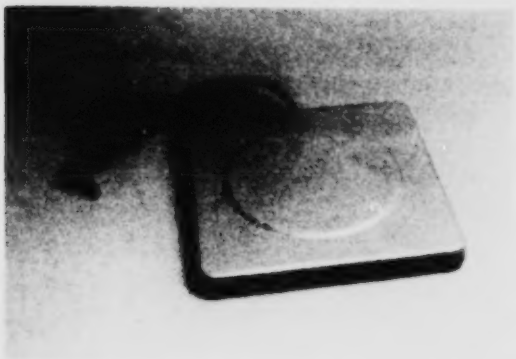
Product Name: Soft Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 29 oz.
Connector Type: 1/8" mini-phone plug
Cost: $70.00

Soft Switch is a single switch with a soft surface. Soft Switch comes in a velvet bag that can be removed and washed.



Product Name: Sponge Nurse Call Switch
Vendor: Dickey Engineering
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" phone plug
Cost: $62.50

The Sponge Nurse Call Switch is a cloth covered single switch. Any slight movement may activate the switch. An ten foot cord is provided with a 1/4" phone plug. A miniature plug is also available.



Product Name: Square Pad Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 21 oz.
Connector Type: 1/8" mini-phone plug
Cost: $80.00

Square Pad Switch is a large single switch operated by pressing the top surface. A large target area is designed to compensate for the user's lack of controlled movement.

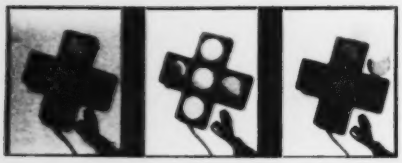
Product Name: Squeeze Switches - Single & Dual
Vendor: Tetra
Number of Switches: Dual Switch, Single Switch
Activation Pressure:
Connector Type:
Cost: $23.00 - $35.00

Squeeze Switches are single switches activated by grasping a padded handle. The Single (Model 105; $23.00) requires only one hand to activate; the Dual (Model 109; $35.00) requires two hands.

No Photograph Available

Product Name: Standard Paddle Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: Mini-phone plug
Cost: $34.50

Standard Paddle Switch is a single switch activated by pushing on a plastic 4" x 4" plate. The base of the switch is made of oak; the cord is three feet long.



Product Name: Star Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 4 oz.
Connector Type:
Cost: $180.00

The Star Switch contains five mechanical switches arranged in the shape of a plus sign. The 2.25" keys are slightly recessed. The operating force is 4.2 oz. Tactile and auditory feedback are provided by the switch.

Product Name: String Switch
Vendor: AbleNet, Inc.
Number of Switches:
Activation Pressure: 0.5 oz.
Connector Type:
Cost: $26.00

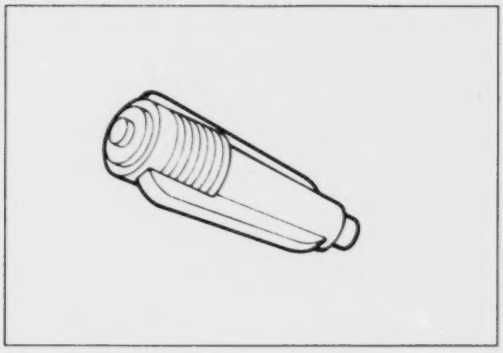
The String Switch consists of a pull cord attached to a microswitch. A string or piece of yarn can be attached to lengthen the pull cord; the string is wrapped around any moveable body part and activated with less than .5 oz. of pressure.

Product Name: Switch Adjustment Devices
Vendor: Various (Generic Product)
Number of Switches:
Activation Pressure:
Connector Type:
Cost: Varies

Frequently, a switch may not suit a client's needs due to improper mounting, poor selection of the switch activation site, or the incorrect setting of electronic parameters. Sometimes adjustments such as latching or repeat defeat can optimize switch use. Many switch adjustment products are available to serve these needs.

Product Name: Switch Mounts
Vendor: Various (Generic Product)
Number of Switches:
Activation Pressure:
Connector Type:
Cost: Varies

Often, the key to successful switch use is the way in which it is mounted. Switches do not need to lie flat on a laptray or table top; for example, they may be mounted upside-down or sideways to eliminate problems with gravity, or so they can be swung away from the user when not in use. Many switch mounting devices are available from switch manufacturers or other rehabilitation equipment vendors.



Product Name: Thumb Switch: CM-5
Vendor: Zygo Industries, Inc.
Number of Switches: Single Switch
Activation Pressure: 20 oz.
Connector Type: Mini-phone plug
Cost: $50.00

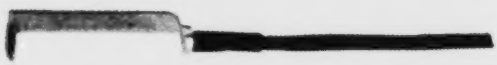
Thumb Switch is a conical housing with a button switch located at one end. The switch is held in the palm of the hand, and the button is pressed with the thumb. The switch is styled as a traditional nursing call alarm switch.

Product Name: Tilt Switch
Vendor: Handicapped Children's Technological Services, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: Mini-phone plug
Cost: $31.00

Tilt Switch is a unit containing a mercury-filled level and a switch. When the level indicates that the unit is tilted, the switch is activated.

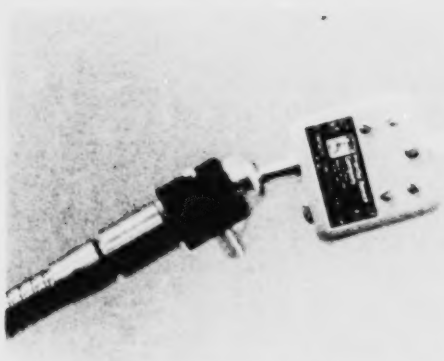
Product Name: Tilt Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $19.00

Tilt Switch is a small unit containing a single mercury switch. When the unit is tilted, the switch is activated. The unit is mounted on a band which can be strapped to the desired part of the body.



Product Name: Tip Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 5 degree tilt
Connector Type: 3.5 mm mini-phone plug
Cost: $60.00

Tip Switch is a mercury switch with smooth surface to allow easy mounting/positioning. The switch is operated by tipping it down 5 degrees from its horizontal position.



Product Name: Tongue Switch
Vendor: Prentke Romich Company
Number of Switches: Dual Switch
Activation Pressure: 1.7 oz.
Connector Type: Stereo mini-phone plug
Cost: $130.00

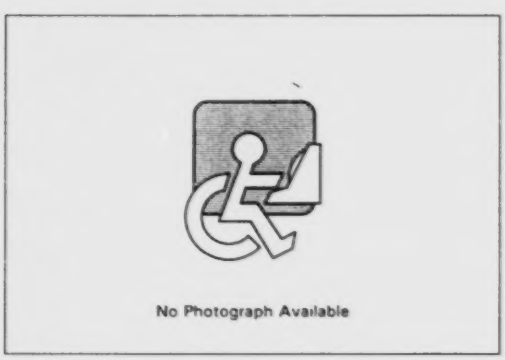
Tongue Switch is a dual switch activated by pushing up or down on a short lever. The switch has a threaded hole for mounting, for easier access by the body part used to activate it.

Product Name: Tongue Switch
Vendor: Toys for Special Children, Inc.
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $26.00 - $52.00

Tongue Switch is activated by slight lateral tongue movements against a protruding spring lever. Three models are available: one without the gooseneck mounting stand ($26.00), one single switch with gooseneck ($49.00), and one double switch with gooseneck ($52.00).

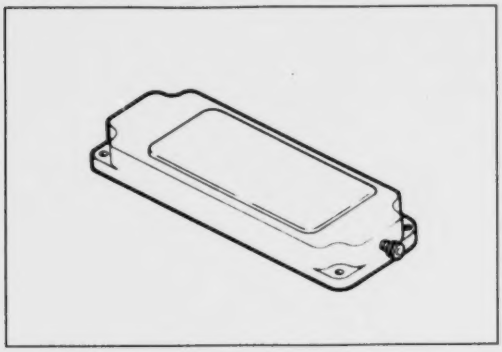
Product Name: Touch Sensitive Joystick Control
Vendor: Handicapped Children's Technological Services, Inc.
Number of Switches: Single Switch
Activation Pressure: 1 - 2 oz.
Connector Type: Mini-phone plug
Cost: $69.95

Touch Sensitive Joystick Control is a single, omnidirectional touch-sensitive switch that can be triggered by any movement which moves the control away from the neutral position.



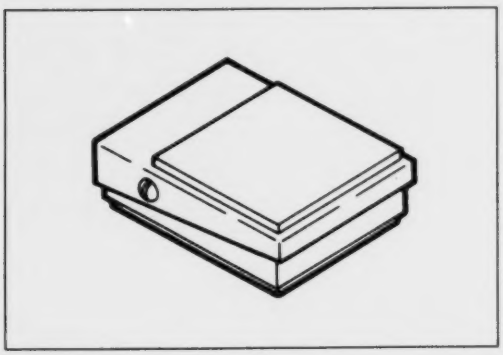
Product Name: Touch Switch (Crestwood)
Vendor: Crestwood Company
Number of Switches:
Activation Pressure:
Connector Type:
Cost: $85.00

The Touch Switch can be touched once to stay on indefinitely. A second touch turns the switch off. An audible click sounds when the switch is activated or deactivated.



Product Name: Touch Switch: CM-4
Vendor: Zygo Industries, Inc.
Number of Switches: Single Switch
Activation Pressure: 3 oz.
Connector Type: Mini-phone plug
Cost: $90.00

Touch Switch is a single switch activated by very light pressure on a plastic plate.

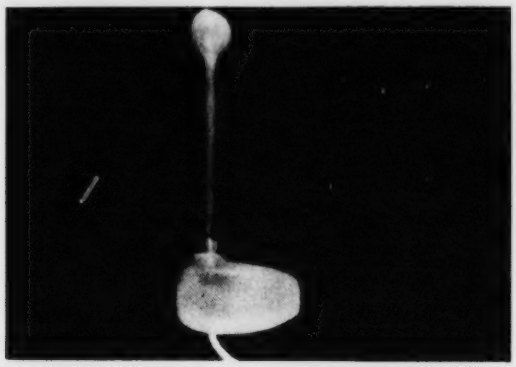


Product Name: Tread Switch: CM-1
Vendor: Zygo Industries, Inc.
Number of Switches: Single Switch
Activation Pressure: 5 oz.
Connector Type: Mini-phone plug
Cost: $60.00

Tread Switch is a single switch operated by depressing a treadle type lever. An audible click accompanies activation. The lever and the bottom of the switch are foam rubber coated. A tapped mounting hole is provided on the bottom of the switch.

Product Name: Treadle Switch
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 25 oz.
Connector Type: 1/8" mini-phone plug
Cost: $35.00

Treadle Switch is a single switch operated by pressing the hinged top surface. This switch allows the user to rest the body part used for activation on the switch's surface between activations.



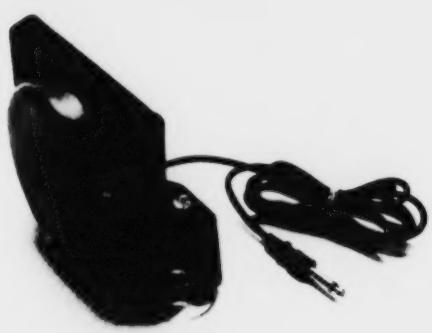
Product Name: Ultimate Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type:
Cost: $42.00 - $65.00

Ultimate Switch is a universal switch which requires only one gram of activating force. The switch may be mounted in a variety of ways so that any body part can be used for activation. Alone the switch is $42.00, with a clamp and gooseneck it is $65.00.

No Photograph Available

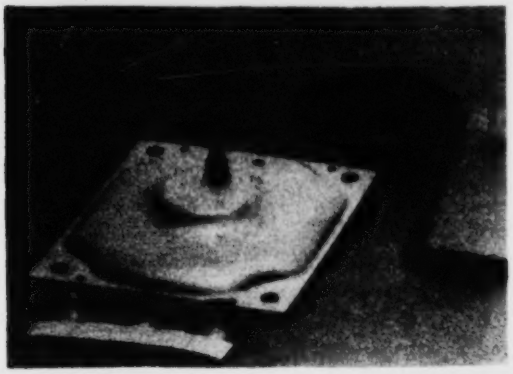
Product Name: Universal Puff Switch
Vendor: DQP, Inc.
Number of Switches:
Activation Pressure: 1 oz.
Connector Type:
Cost: $119.95

The Universal Puff Switch is a sensitive pneumatic switch which requires one ounce of pressure for activation. The switch has a universal clamp for mounting and three feet of flexible, extendable plastic tubing. The product also has six feet of cable and an 1/8" phone plug.



Product Name: Vertical Plate Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $36.00

Vertical Plate Switch is a switch activated by pressing a circular plate. The plate is mounted on a right-angle bracket to allow it to be activated from the side. The bracket can be attached to a horizontal surface with provided suction cups, screws, or double-sided tape.



Product Name: Vertical Wobble Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure: 1 oz.
Connector Type: 1/4" or 1/8" phone plug
Cost: $41.00

Vertical Wobble Switch is a single switch activated by bending a flexible rod. The switch is designed for mounting so the rod can be in any position. Suction cups (included), tape, or screws can be used for mounting.

No Photograph Available

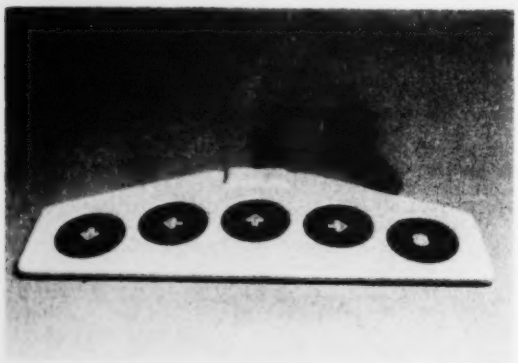
Product Name: Voice Activated Switch
Vendor: Kalashian, Al
Number of Switches: Single Switch
Activation Pressure:
Connector Type:
Cost: $225.00

The Voice Activated Switch can operate battery driven devices and toys. The switch can be operated by talking, whistling, blowing, or making any sound into the microphone built-in to the top of the switch casing. After receiving sound input, the switch activates the device to which its one eighth inch cord is attached. The switch comes with an adjustable neck strap, 9V battery, and 115V battery charger.

No Photograph Available

Product Name: Voice Activated Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $76.00

Voice Activated Switch is a switch unit with a self-contained microphone. When the microphone detects a sound (such as speech), the switch is activated.



Product Name: Wafer Switch

Vendor: TASH, Inc.

Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 4 oz.

Connector Type: 9-Pin DIN

Cost: $180.00

Wafer Switch consists of five membrane switches in one low profile housing. The pressure plates are 2.25 inches in diameter, and have directional cursor control markings. This can be used for joystick-type control.

Product Name: Wobble Switch

Vendor: ComputAbility Corporation

Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $85.00

This switch has a protruding flexible lever; bending the lever activates the switch. The switch placement is flexible, allowing it to be placed directly on a computer monitor for activation. The switch is mounted by using a positioning clamp, from which it may be removed.

Product Name: Wobble Switch

Vendor: Prentke Romich Company

Number of Switches: Single Switch

Activation Pressure: 1.8 oz.

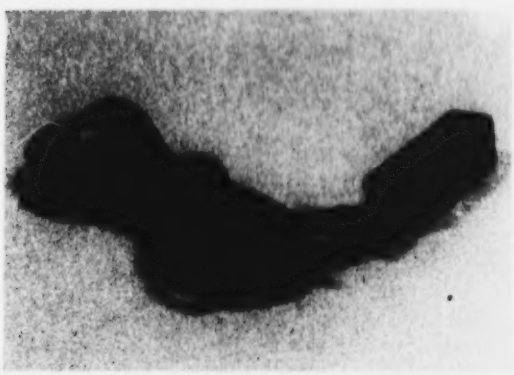
Connector Type: Mini-phone plug

Cost: $110.00

This switch is activated by pushing against a lever. The lever has a spring built in, and can be pushed in any direction for activation. The Wobble Switch comes with a threaded hole for mounting.

Product Name: Wobble Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type: 1/4" or 1/8" phone plug
Cost: $66.00

This switch is activated by any flexion of the spring lever. The lever comes mounted on a gooseneck and stand.



Product Name: Wrist/Arm/Leg Switch
Vendor: Tetra
Number of Switches: Single Switch
Activation Pressure:
Connector Type:
Cost: $23.00

Wrist/Arm/Leg Switch is a switch activated by tilting. The switch can be attached to any appropriate part of the body. Any movement out of horizontal position will activate the switch.

Chapter 8

Environmental Controls

For the purposes of this chapter, "environmental controls" are defined as devices or systems whose function is to control some other device in the person's environment. Exceptions are (1) devices used to control computers and (2) devices used to control battery-operated devices (such as toys) for the purpose of teaching or encouraging switch operation or communication skills. The former are found mostly in Chapters 11 and 12, the latter in Chapter 3.

This chapter does include electric page turners, telephone dialers, remote appliance switches, television controllers, and so forth. Many of these systems can be controlled using the switches and controls listed in Chapter 7. Certain special non-electronic telephone accessories are also included in this chapter.

Devices which are not primarily environmental controls, but which can function as such, are cross-listed (along with the products in this chapter) in Index 1, under the function Environmental Control (EC). Some other related functions appearing in Index 1 are Phone Control (PC) and Book/Paper Handling (BP). Index 2 cross-lists products by input and output features. Some features to check are Input Type: Switch Input, Input Type: Wireless, and Input Type: Speech Recognition.

The following product entries appear in this chapter:

Able-Phone 100WA, *197*
Able-Phone 1900 and 2000, *197*
Able-Phone 6000SX, *198*
Able-Switch 500, *198*
Able-Switch Model 300, *199*
ACS Headsets, *199*
Adapted Access Speakerphone, *200*
Automaddak Page Turner, *200*
Automatic Page Turner, *201*
Bed Control (DBC-1), *201*
Big Button Telephone, *202*
Big-Button Phones, *202*
Butler-in-a-Box, *203*
CCT Environmental Control, *203*
Control 1, *204*
Controller, *204*
Custom Speaker Phone, *205*
DEUCE, *205*
EASICORDER, *206*
Easy File Tray, Desk Organizer, Catalog Rack, *206*
Environment Control, *207*
Environmental Control, *207*
Environmental Control System, *208*
Environmental Control Units, *208*
Expanded Keyboard for Automatic Telephone, *209*
Ez-Control Modular Environmental Control System, *209*
EZRA, *210*
F71863 Touch Phone Attachment, *210*
Fone Holder, *211*
Gewa Page Turner, *211*
Giant Push Button Telephone Adapter, *212*
Gripper, *212*
HECS-1, *213*
Ideal-Phone, *213*
Imperium 100 Environmental Control Unit, *214*
Independence VoicePhone, *214*
Infrared Remote Control IRTI-I, *215*
Kincontrol, *215*
Mastervoice Environmental Control Single User Unit, *216*
Memory Button Telephones, *216*
MicroDEC II, *217*
Mini-Environmental Control MECU-1, *217*
Motorized Easel, *218*
Next Page Page Turner, *218*
On/Off Remote Switch, *219*
PIC-100 Programmable Remote Controller, *219*
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Radio Remote Control, *221*
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RC5000 Radio Home Control System, *222*
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Saltus Reader, *224*
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Scanning X-10 Powerhouse, *225*
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Speaker Phones, *226*
Telephone Holder & Line Connector, *227*
Telephone Management System, *227*
Touch Turner, *228*
TV Converter Model 4020, *228*
TVRC and TVRCS, *229*
U-Control, *229*
Ultra 4 Remote System, *230*
Unidialer II, *230*
Universal Control System with Tongue Touch Keypad, *231*
Universal I.R. Remote, *231*
Universal Telephone Adapter/Modular Telephone Adapter, *232*
Virtual Telephone, *232*
X-10 Home Control Interface, *233*
X-10 Powerhouse System, *233*

The following products from other chapters can also be used as Environmental Controls:

90-A Timer and CTR-1 Counter, *21*
Active Stimulation Programmer, *22*
Active Therapy System (ACTS), *551*
Activity Board, *23*
C-500 Control System, *304*
CINTEX I and II, *725*
Communication Programs, *727*
Compuvox, *305*
Delay Timer DT-1, *32*
Dual Channel Latching Switch Interface, *33*
Dual Switch Latch and Timer, *34*
E Z Keys, *262*
EDACTS Keyboard, *309*
EvalPAC with RealVoice, *102*
Eye Slaved Pointing System, *314*
Eyegaze Computer System, *103*
FreeBoard, *734*
HAL (Home Automation Link), *319*
Head Position Interface, *160*
Intercom Unicontrol, *242*
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Push-On-Push-Off Module, *42*
RealVoice, *114*
Scan-It-All, *116*
ScanPAC, *117*
SenSei, *363*
Switch Latch, *49*
Timer Module, *53*
Touch Talker, *123*
Training Aid 2, *56*
Zygo scanWRITER, *125*

Product Name: Able-Phone 100WA
Vendor: DQP, Inc.
Size:
Weight: 5 lbs.
Power Source:
Connector Type:
Cost: $595.00

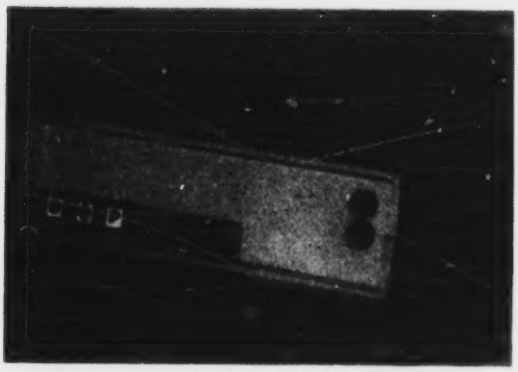
The Able-Phone 100WA is a cordless headset telephone. To answer incoming calls, the user whistles into the headset and a connection is established. Outgoing calls are made similarly, as a whistle by the user can also place a call directly to the operator. The headset is connected to a remote unit which sends signals to a base receiver from up to 750 feet away. In addition to a whistle switch, optional plug-in switches (which allow activation by puff, puff-sip, touch, lever, or plate switches) can also be used; all switches are extra.

Product Name: Able-Phone 1900 and 2000
Vendor: DQP, Inc.
Size: 4.5" x 10.5" x 8.5"
Weight: See text
Power Source:
Connector Type:
Cost: $295.00 - $395.00

Able-Phone 1900 and 2000 are speaker phones intended for use by people with mobility impairments. Able-Phone 1900 (6.5 lbs.; $295.00) has a built-in puff switch and microphone mounted on an adjustable gooseneck. Able-Phone 2000 (4.5 lbs.; $395.00) is activated by an adjustable whistle tone, or by wireless remote, puff-and-sip, or lever switches (extra). Both phones, when activated, will automatically dial the operator or a user-programmed number. A large keypad, which can be accessed with one finger or a mouth or head stick, is provided for additional auto-dialing capability.

Product Name: Able-Phone 6000SX
Vendor: DQP, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: $495.00

The Able-Phone 6000SX is a portable cordless phone which places phone calls when the user whistles or makes any sound. To place a call the user whistles to scroll through the phone's directory memory. When the name of the person appears on the phone's small display, the user whistles again and the number will be automatically dialed. To terminate a call the user just whistles and the connection will be ended. The Able-Phone 6000SX has a call waiting feature; to activate the feature the user must whistle twice in succession (within four seconds) and answer the waiting call. To return to the original caller, the user whistles twice again and can continue the conversation. The phone can be manually activated and has a speaker feature. In addition, Able-Phone 6000SX has an adjustable volume control, date and clock, electronic lock, adjustable angle control, weak battery indicator, and programmable reminders.



Product Name: Able-Switch 500
Vendor: DQP, Inc.
Size: 5" x 6" x 1"
Weight: 10 oz.
Power Source: Rechargeable battery
Connector Type:
Cost: $166.00

Able-Switch 500 (formerly AP-500 Wireless Call Switch) is a wireless system that may be used to provide wireless remote control of hospital call switches or devices that require a normally open/momentarily closed switch action for operation. The system consists of a portable wireless remote receiver. The remote has a range of about 300 feet. A battery backup for operating the unit in case of power failure is included.

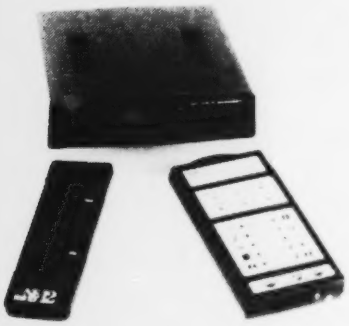
Product Name: Able-Switch Model 300
Vendor: DQP, Inc.
Size: 2" x 3.5" x .75"
Weight: 8 oz.
Power Source:
Connector Type:
Cost: $166.00

Able-Switch 300 is a wireless remote control with a range of 50 to 125 feet. The unit has a security system with up to 256 user-selectable codes for operating automatic doors and locking systems. When used with Able-Switch 500 (extra; see entry) the switch may be used to activate hospital call buttons or various household devices. External switches (extra) may also be connected to the controller. The switch is activated by a zero-pressure contact switch.

Product Name: ACS Headsets
Vendor: ACS Communications
Size:
Weight: 0.5 oz. - 2 oz.
Power Source:
Connector Type:
Cost: $200.00

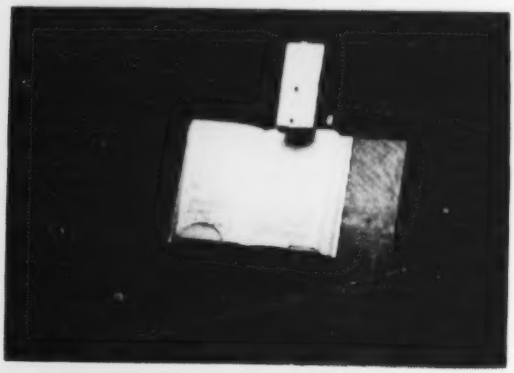
ACS Headsets are lightweight headsets combining headphones and microphone, designed to be used in place of a standard telephone receiver. There are seven models. The Orator Monaural and Binaural have headets with phones that rest on the outside of the ear. The NWII Monaural and NB II Binaural have headsets with phones that fit inside the ear. The Elation is a monaural headset which is ultralight (.5 oz.) and easily removable. The Contour LX and MicroSet hook over a single ear and have an in-ear phone.

An option for all models is the Tri-Amp, which provides sound amplification and volume control and suppresses loud data signals that can come over ISDN systems before those signal reach the ear. The Tri-Amp is also packaged with headsets specifically for hearing aid wearers and visually impaired users.



Product Name: Adapted Access Speakerphone
Vendor: Baylor Biomedical Services
Size: 8.5" x 9" x 2.5"
Weight: 2 lbs.
Power Source: 120V AC
Connector Type:
Cost: $495.00

The Adapted Access Speakerphone is a telephone with a built-in speaker that can be controlled through a remote control unit. The remote control is not included with the speakerphone, however most universal remotes can be used. While all phone functions can be activated via remote control, if the user desires the "hook" and "dial operator" functions can be controlled manually.



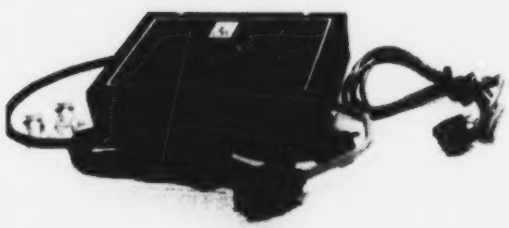
Product Name: Automaddak Page Turner
Vendor: Maddak, Inc.
Size: 7.25" x 6.75" x 3.36"
Weight: 11 lbs.
Power Source: 120V AC
Connector Type:
Cost: $928.50

Automaddak Page Turner is a wooden reading stand equipped with a motorized arm that turns the pages of a book or magazine. The front and back covers are held by adjustable clips. Upon the signal from a switch, an adjustable arm tipped with a pad of silicone moves across the book from left to right, picks up a single page and brings it over to the left. A thin wire loop then follows in to hold the page in place.

Automaddak Page Turner is available in 115V and 220V AC models. Various switches are available. Contact manufacturer for information on the Automaddak Page Turner System, which includes the Page Turner, wooden bookstand, and automatic page hold-down device.

Product Name: Automatic Page Turner
Vendor: Lakeland Products
Size: 14" x 24"
Weight: 10.5 lbs.
Power Source: 120V AC
Connector Type:
Cost: $560.00

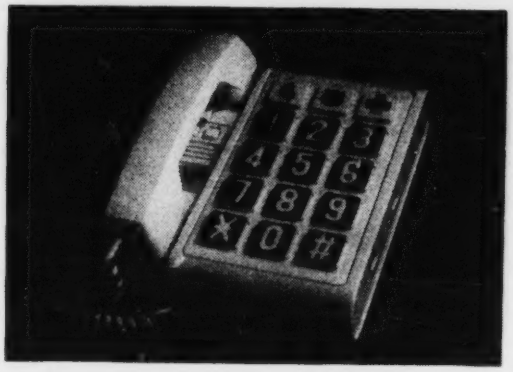
Automatic Page Turner is a book stand outfitted with a system that automatically turns the pages of the book on the stand. Once a book has been placed on the stand, the user simply activates a single switch (included), and a mechanical arm grips a single page on the right side and flips it over to the left. The Automatic Page Turner can turn the pages of magazines and paperback books as well. The stand adjusts manually from horizontal to nearly vertical.



Product Name: Bed Control (DBC-1)
Vendor: DU-IT Control Systems Group, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: $435.00

The Bed Control controls all standard functions of a powered hospital bed using a single switch or one channel of an environmental control unit. The control can adjust six functions of the bed, typically head up/down, foot up/down and whole bed up/down. The bed must be the type which has a removable pendant which plugs and unplugs electrically.

The Bed Control will accept a variety of input types including tongue, body, and puff-sip switches. It also interfaces with most ECUs. Contact manufacturer for details before ordering.



Product Name: Big Button Telephone

Vendor: AT & T Accessible Communication Products Center

Size:

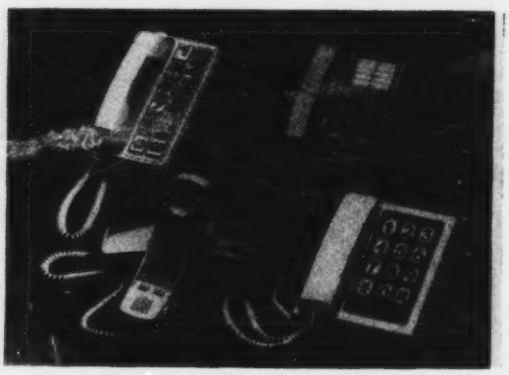
Weight:

Power Source:

Connector Type:

Cost: $69.99

Big Button Telephone is a telephone with oversized buttons and large-print numbers and symbols. Features include one-touch redial and volume control of tone ringer.



Product Name: Big-Button Phones

Vendor: Radio Shack

Size:

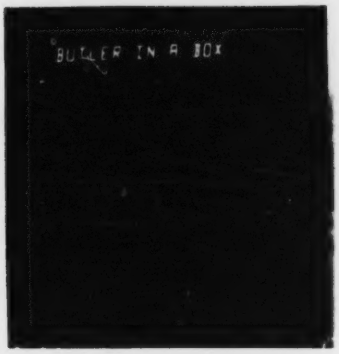
Weight:

Power Source:

Connector Type:

Cost: $39.95 - $49.95

Big-Button Phones have enlarged touch-tone buttons, a switch to change between touch-tone and pulse dialing, touch-redial, and the ability to adjust the volume of the ringer. Several models are available with varying features. Model ET-203 is $49.95, Model ET-205 is $39.95, Model ET-206 sells for $49.95, and Model ET-207 costs $44.95. Contact the manufacturer for specific feature details.



Product Name: Butler-in-a-Box

Vendor: Mastervoice

Size: 10.6" x 8.8" x 3.1"

Weight: 5 lbs.

Power Source:

Connector Type:

Cost: $2,995.00

Butler-In-A-Box is a two voice-activated environmental control system with speech output that allows users hands-free operation of appliances, lights, and telephones. Once the users have trained the Butler to recognize particular utterances, these utterances can be used as commands to activate various appliances: lights, TV, stereo, electric beds, etc. Timers (included) can also be set to turn appliances on or off at particular times. Appliances are activated remotely using X-10 remote control modules. A telephone is built in, allowing the user to remotely dial, answer, and use the system as a speakerphone. Butler-In-A-Box can also be programmed to detect the presence of intruders and request that they identify themselves.

Options (extra) include a Voice Mouse (for retrieving data from an IBM computer), an I.C.I. Infrared Controller Interface, the RAM Pack, the Voice Cartridge, and the Sprinkler Controller. Contact manufacturer for further information about similar systems which may be activated by one or four users.

Product Name: CCT Environmental Control

Vendor: Consultants for Communication Technology

Size:

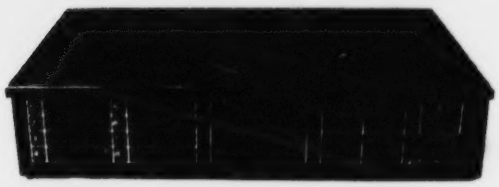
Weight:

Power Source:

Connector Type:

Cost: $470.00

The CCT Environmental Control is a software and hardware package which allows the user to control up to sixteen appliances or outlets with a single switch. The control system sends signals over existing house wiring using computer commands and a control interface. This product is compatible with the Handy Speech Communication Aide (see entry).



Product Name: Control 1

Vendor: Prentke Romich Company

Size: 3.75" x 17" x 11"

Weight: 9 lbs.

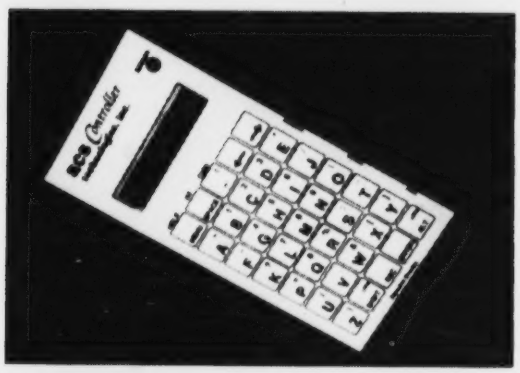
Power Source: 120V AC

Connector Type: Stereo mini-phone plug

Cost: $1,870.00

Control 1 is an environmental control unit with eight control receptacles that may operate various electrical devices, and a telephone. Control 1 can operate any telephone (including speaker phones, cordless phones, and handsets mounted on a gooseneck) and may store up to ten phone numbers. The device can be used to operate the three functions (head, bed, and foot) of an electric bed; a bed cable (BC-4) for the specific bed must be requested when ordering. All control receptacles may be latched (turned on and left on) or momentarily turned on. Control 1 may be controlled by a dual switch, a communication aid, or a microcomputer. If desired, the user may customize computer software to operate the Control 1. The device may also be used to control data output to a computer.

One AC Appliance Module and one Lamp Module are included, and with optional control modules (extra), the user may control up to 256 AC appliances. Options for the Control 1 include Call Signal 2 (extra; see entry). Additional options and adapters are also available.



Product Name: Controller

Vendor: Adaptive Communication Systems Technologies

Size:

Weight:

Power Source:

Connector Type:

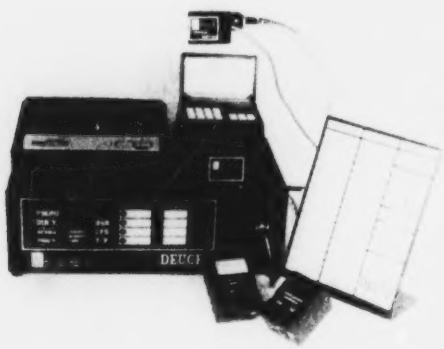
Cost: $2,195.00 - $3,995.00

The Controller is an infrared environmental control unit. The control has a two line, sixteen character display and a seven row by five column membrane keyboard. The device is operable by keyboard input or by using the keyboard as a scanning panel. Voice control is also an available option (extra). Controller will activate most devices which respond to infrared remote signals.

Product Name: Custom Speaker Phone
Vendor: KY Enterprises/Custom Solutions
Size:
Weight:
Power Source:
Connector Type:
Cost: $170.00

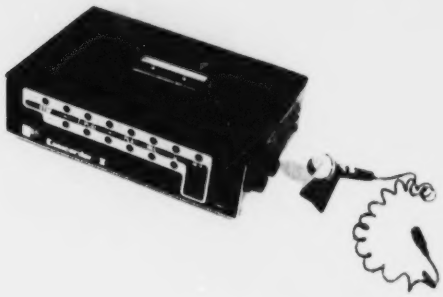
The Custom Speaker Phone is a Panasonic speaker phone activated by a sip-and-puff switch. To answer incoming calls or end a call, the user puffs. To automatically dial the operator, the user sips. This product has an optional autodialing feature which requires separate switches for each auto-dial memory location.

The product package includes the speaker phone, a flexible stand, and two puff switches.



Product Name: DEUCE
Vendor: DU-IT Control Systems Group, Inc.
Size: 12" x 10" x 3.5"
Weight: 10 lbs.
Power Source: 120V AC
Connector Type:
Cost: $1,350.00 - $1,800.00

DEUCE is a home or hospital environmental control unit that allows control of telephone and various appliances through infrared remote control, scanning, or non-scanning direct input. Phone control capabilities include getting on and off line, dialing numbers up to 31 digits, and storing up to 18 numbers plus last number dialed. Four low current switch closures provide control of accessories such as page turners, and four powered AC outlets provide control of on/off appliances such as fans and radios. The DX10K option (extra) provides control of an additional 16 lights and/or appliances through the X-10 control system. DEUCE provides visual and auditory feedback with operation; audio prompts for users with visual impairments can be configured by entering a simple numeric code. Input into DEUCE is made through a dual switch, IR remote, or non-scanning direct inputs. Outputs include phone connection, four latched and four momentary controlled AC outlets, capacity for sixteen X-10 modules, and morse code or scanning for input to computers or communication aids. X-10 modules, bed controls, call signals, control switch, and phone are all extra. Price varies depending on options ordered.



Product Name: EASICORDER

Vendor: DU-IT Control Systems Group, Inc.

Size: 12" x 8.25" x 3.5" or 23" x 25"

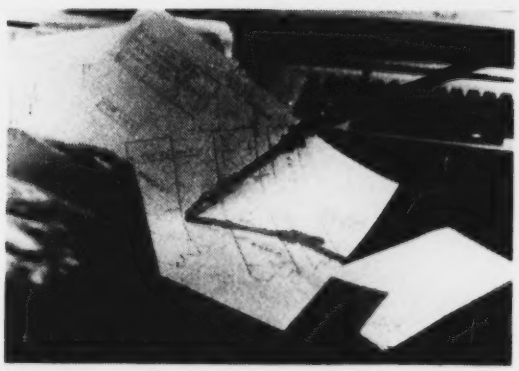
Weight: 11 lbs.

Power Source: 12V or 24V DC

Connector Type:

Cost: $2,100.00 - $2,450.00

EASICORDER is a single- or dual-switch operated tape recorder designed for people with physical disabilities but useable vision to use for note taking, dictation and information recording. By scanning with a single switch, the user can select normal tape recorder functions (stop, play, reverse, fast forward, record) as well as special functions. Special functions include standard speed (1-7/8 ips) or half speed (1-15/16 ips, talking book speed); single track operation in which each channel of stereo can be recorded or played separately, in effect doubling the running time of a tape; "underline" mode, which inserts beeps audible during fast forward play; and "commentary" mode, which allows insertion of comments on parallel stereo track during recording (comments are then automatically inserted during playback). Switching input to EASICORDER is through a single switch (included), audio input is through external microphone (included). Audio output is through internal speaker (included), external speaker (extra), or headphones (extra). A second switch (extra) permits a pause function. EASICORDER is available in cabinet and wheelchair lapboard models.



Product Name: Easy File Tray, Desk Organizer, Catalog Rack

Vendor: Extensions for Independence

Size:

Weight:

Power Source: None

Connector Type:

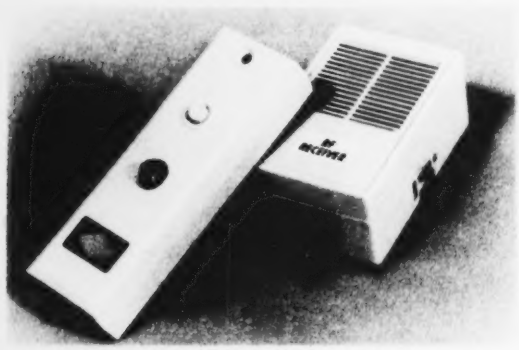
Cost: $35.00 - $82.00

Easy File tray is a filing system designed so that filing and retrieving can be done with a mouthstick. Easy File Trays are available in three sizes: card, letter, and legal. The letter size (catalog rack) is tilted 30 degrees to facilitate access.

Product Name: Environment Control
Vendor: Favin, David
Size: 6" x 6" x 2"
Weight: 6 oz.
Power Source: 120V AC
Connector Type:
Cost: Free

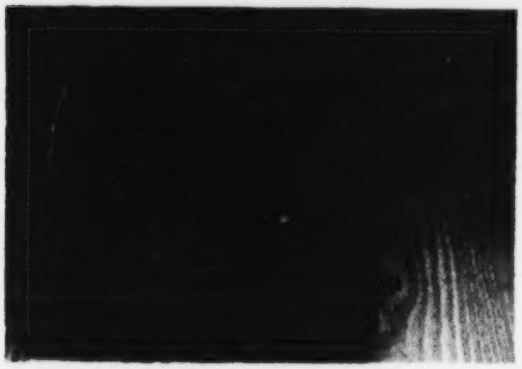
Environment Control is a computer interface that provides up to 128 selective controlled switch closures. These closures may be placed in parallel with manually-controlled switches to provide computer control of these switches. The interface connects to a computer's parallel port.

The circuit diagram and BASIC computer program, which were developed by the Telephone Pioneers of America, are free on request.



Product Name: Environmental Control
Vendor: Toys for Special Children, Inc.
Size:
Weight:
Power Source: 120V AC
Connector Type: 1/4" or 1/8" phone plug
Cost: $65.00

This Environmental Control consists of a remote switch and an appliance control module. The user activates a single button switch, or any other switch, connected to a radio frequency transmitter. The transmitter broadcasts to the appliance control module, which activates the appliance plugged into it (up to 400 watts). The activation of the appliance is latching; it remains on until the user activates the switch again, turning it off. The Environmental Control operates at a distance of up to 30 feet.



Product Name: Environmental Control System

Vendor: Regenesis Development Corporation

Size:

Weight:

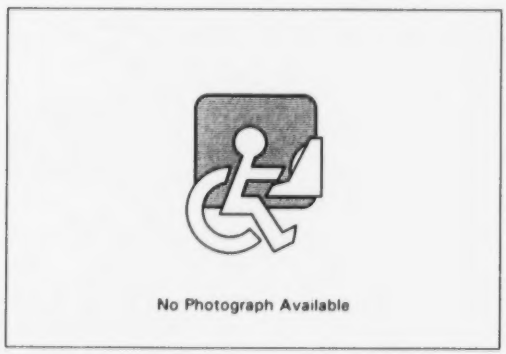
Power Source:

Connector Type:

Cost: Contact manufacturer

The Environmental Control System allows environmental control through any dual or single switch input, or through the serial port of a computer that has environmental control software (not included; contact manufacturer for information). The system may be operated from a wheelchair.

The basic unit, which has five channels of low voltage momentary or latching switches and is required to run all other modules, sells for $795.00. The basic unit also supports three optional channels of AC switching. The telephone control unit, which can store twenty user-programmed numbers for auto dial functions, is $395.00. An X-10 module that controls up to five 120 volt AC appliances, is $395.00. An infrared TV module, which controls 18 different models of TVs or 8 different cable converter models, is $395.00. A VCR sub-module that controls 19 different models of VCRs is $375.00; this must be run with the TV module.



Product Name: Environmental Control Units

Vendor: Various (Generic Product)

Size:

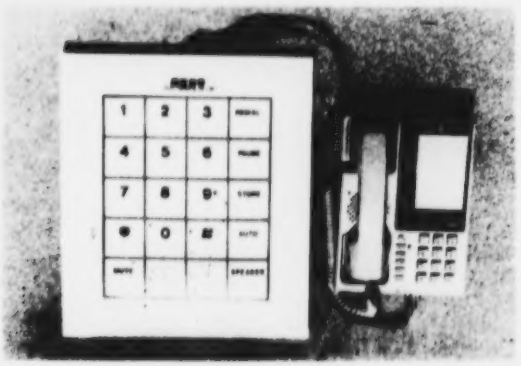
Weight:

Power Source:

Connector Type:

Cost: Varies

While some environmental control units are highly sophisticated, many environmental control needs can be met with low technology rehabilitation devices or items available from hardware stores. Light switch extension levers, for example, are available in most rehabilitation product catalogs. Appliance and light timers can be purchased from department stores. Lamp switch adapters, such as those that permit the lamp to be turned on and off by touching its base, are available in most hardware stores. Solutions may also be fabricated, such as taping a wooden tongue depressor over a call button so the depressor may be used as a lever to push down the button. Low tech and high tech solutions may even be used in combination where appropriate.



Product Name: Expanded Keyboard for Automatic Telephone

Vendor: EKEG Electronics Company LTD

Size: 12" x 14" x 1"

Weight: 4.5 lbs.

Power Source:

Connector Type:

Cost: $475.00 - $675.00

Expanded Keyboard for Automatic Telephone is a system consisting of a speaker phone and an expanded keyboard that allows the user to dial by pressing 2"-square keys. The telephone unit contains a combination speaker and microphone, and does not require the user to pick up the receiver to answer or to talk into the phone.

Two models are available, one with space for 10 stored phone numbers for automatic dialing ($475.00) and the other with space for 32 stored phone numbers ($675.00). Both models will work on rotary dial or touch tone exchanges, and thick plastic-coated wire grid keyguards are available for both models ($50.00). An adjustable microphone is also available.

Product Name: Ez-Control Modular Environmental Control System

Vendor: Regenesis Development Corporation

Size:

Weight:

Power Source: 120V AC

Connector Type:

Cost: $1,125.00 - $2,495.00

The Ez-Control is an environmental control unit with add-on modules that control specific devices. The basic receiver of the control unit can control three 120V devices and is activated by either single or dual switch commands. In addition to the basic unit, expansion modules can be added on as desired. Available modules include: telephone, television, and VCR units. An X-10 unit which controls an additional five 120V AC devices is also available.

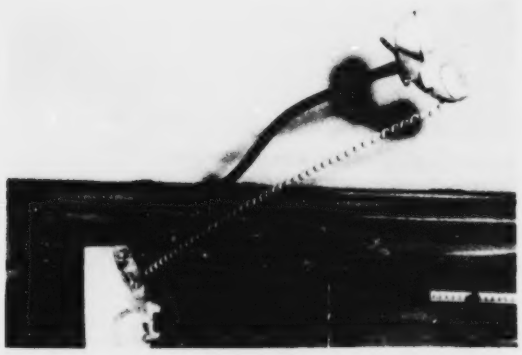
A remote transmitter and computer control software for IBM systems are options for the basic control unit. Price varies depending on the modules purchased; the basic control unit is $1,125.00, additional modules range from $325.00 to $475.00 each.

Product Name: EZRA
Vendor: KY Enterprises/Custom Solutions
Size: 19" x 4" x 14"
Weight:
Power Source: 120V AC
Connector Type: Mini-phone plug
Cost: $950.00

EZRA is a single-switch environmental control system. Options are displayed on a list of menus that appear on a TV screen; the cursor scans the options, permitting selection of desired function using a wireless single switch. With the base system, the user can control a TV and radio, lights and appliances, and an electronic door. Options include control of an electric bed, VCR, telephone, compact disk player, intercom, and a limited vocabulary speech synthesizer. Contact manufacturer for information about operating EZRA with a puff switch.

Product Name: F71863 Touch Phone Attachment
Vendor: Maddak, Inc.
Size: 3.5" x 4" x 1.25"
Weight:
Power Source:
Connector Type:
Cost: $17.50

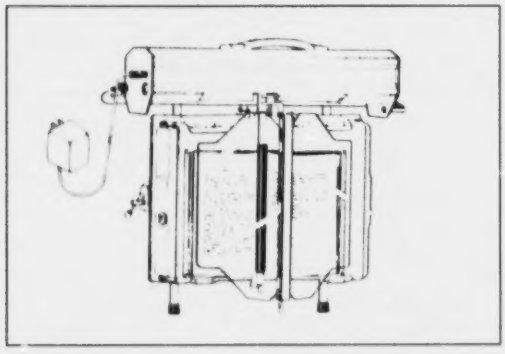
Touch Phone Attachment is a device that fits over the buttons of an existing touch tone phone. On the surface of the attachment are enlarged keys with large-type letters and numbers on them. The user dials the phone by pressing these buttons.



Product Name: Fone Holder
Vendor: Fred Sammons, Inc.
Size: 24" long
Weight:
Power Source: None
Connector Type:
Cost: $49.95 - $54.95

The Fone Holder is a 24" gooseneck with a clamp at the end which holds a telephone receiver. The gooseneck can be clamped to a convenient surface such as the edge of a table. The Fone Holder holds the receiver where it can be used most conveniently.

The price is $49.95 for health care professionals and $54.95 for users.



Product Name: Gewa Page Turner
Vendor: Zygo Industries, Inc.
Size: 20" x 24" x 8"
Weight: 15 lbs.
Power Source: 120V AC
Connector Type:
Cost: $3,995.00 - $4,200.00

Gewa Page Turner is an automatic page turning system that can accomodate most textbooks, paperbacks, magazines, and smaller newspapers, of maximum size 12" x 9", and 2" thick. A built-in clamp attaches the Page Turner to support item, and unit can be tilted for bed reading. A rubber roller manipulates pages forward and backward, singly or continuously, with no adjustments necessary for size, texture or style of document.

Options of multi-switch ($2,975.00) or single switch ($3,185.00) controls are available to accomodate level of user skill, and additional options for mounting and positioning the Gewa Page Turner are available from distributer (contact for details).

Product Name: Giant Push Button Telephone Adapter

Vendor: Fred Sammons, Inc.

Size: .88" x .56"

Weight:

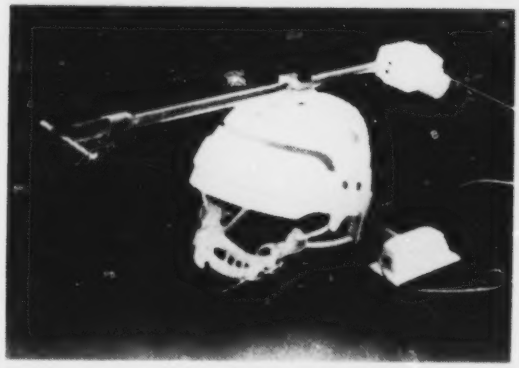
Power Source: None

Connector Type:

Cost: $7.50 - $11.20

Giant Push Button Telephone Adapter is a device that fits over the buttons of a home or pay touch tone phone. The user can then dial the phone by pushing the 7/8" x 9/16" buttons on the face of the Adapter.

The price is $7.25 for health care professionals and $10.95 for users.



Product Name: Gripper

Vendor: Toys for Special Children, Inc.

Size:

Weight:

Power Source:

Connector Type:

Cost: $425.00

The Gripper is a product designed to enable the user to pick up parts at his or her work station. It resembles a trimmed down bicycle helmet with a rod attached to it. The device is activated by depressing a button. A variety of gripping and manipulating devices, including magnetic, vacuum, and mechanical pickup, can be attached depending on the task to be performed.

The standard Gripper comes mounted on a helmet and is powered by an air compressor. Contact manufacturer for details about customizing the Gripper for use of different input devices.

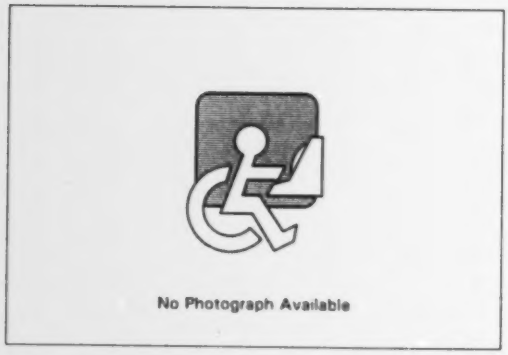
Product Name: HECS-1
Vendor: Prentke Romich Company
Size: 13" x 9" x 3"
Weight: 11 lbs.
Power Source:
Connector Type:
Cost: $3,675.00

HECS (Hospital/Home Environmental Control System) is a device that permits persons with limited motor skills to operate electrical devices within a room. The user may select the desired functions from a large-character back-lit menu display. Functions include: all bed functions (up/down, etc.), phone control functions (answer, hang up, dial, and redial), turning lights on and off, and operating a pendant-controlled television. The system may be integrated with a standard or facility-specific call system. A variety of switches (sip-puff, rocking lever, tongue, etc.) may be used to operate the system. The display may be moved on an adjustable holding arm (included), or rotated from side to side.

Product Name: Ideal-Phone
Vendor: Ideamatics, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: $395.00

Ideal-Phone is a circuit card for a computer which allows the computer to serve as a telephone. The user can control all telephone functions from the computer, including picking up, hanging up, dialing, and automatic redialing. Phone numbers can be selected in another software program (such as a spreadsheet or database) and automatically dialed. The Ideal-Phone software can be used at any time while running other software on the computer. The Ideal-Phone software can also log number, duration and purpose of calls for printing out later and handle both touchtone and pulse dialing. A headset with microphone is provided.

Ideal-Phone is operated from the computer keyboard, but may be used with other input adaptations for people with physical disabilities.



Product Name: Imperium 100 Environmental Control Unit

Vendor: Teledyne Brown Engineering

Size: 8" x 5" x 3"

Weight:

Power Source: 120V AC

Connector Type:

Cost: $365.00

Imperium 100 Environmental Control Unit is a device that can control applicances throughout a dwelling from a central control panel. The user selects among up to eight devices on any of sixteen channels from a control panel and then indicates if they want to turn it on or off. The Imperium 100 sends a signal through the household wiring to an X-10 receiver module which then turns the appliance on or off. Lamp dimming can also be accomplished through an X-10 lamp dimmer module. Appliances are selected on the control panel using a touch-sensitive button on the front of the panel. They also can be selected with an external single switch (purchased separately). The Imperium 100 is powered by rechargeable AA batteries.

The basic system includes the control panel, an X-10 transmitter, one X-10 module for controlling a lamp, one X-10 module for controlling an appliance, and a battery charger. Additional X-10 modules can be purchased to expand the system.

Product Name: Independence VoicePhone

Vendor: InvoTek Corporation

Size:

Weight:

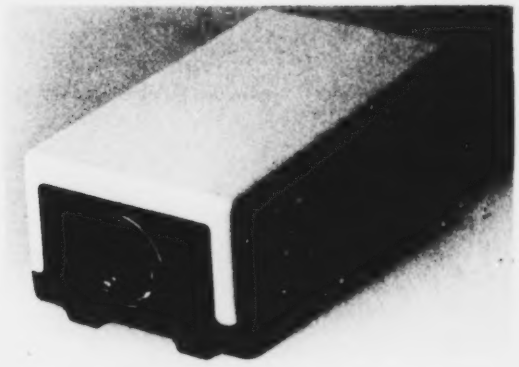
Power Source: 4 "AAA" batteries

Connector Type:

Cost: $249.00

Independence VoicePhone is a voice activated phone designed for hands-free operation. The user activates a single switch to open the phone line (equivalent to picking up the receiver), and then dials phone numbers by speaking into a microphone. The phone can be trained to recognize up to 50 names or other words, which are then associated with phone numbers. During calls, the Independence VoicePhone functions as a speakerphone.

Independence VoicePhone comes with a desk-mounted microphone. A switch and switch cable must be purchased separately.



Product Name: Infrared Remote Control IRTI-I

Vendor: DU-IT Control Systems Group, Inc.

Size:

Weight:

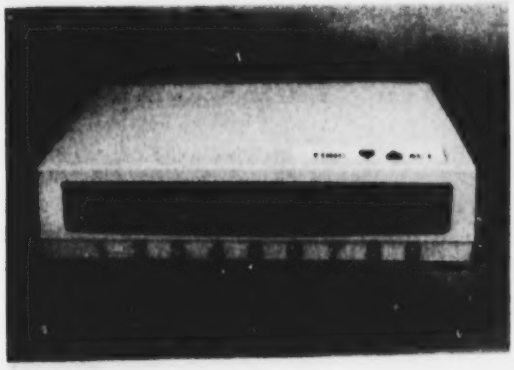
Power Source:

Connector Type:

Cost: $390.00

Infrared Remote Control IRTI-I is a system allowing remote control of electrical devices through a DEUCE environmental control unit (extra; see entry). The package consists of a small box which accepts a dual control switch. The receiver unit is built into DEUCE.

Infrared Remote Control IRTI-I runs on two internal 9V batteries. Adapters are available to operate the device from other manufacturers' wheelchairs, permitting infrared control of DEUCE from the chair; contact manufacturer for further information.



Product Name: Kincontrol

Vendor: TASH, Inc.

Size: 8.75" x 6.75" x 2.5"

Weight: 3 lbs.

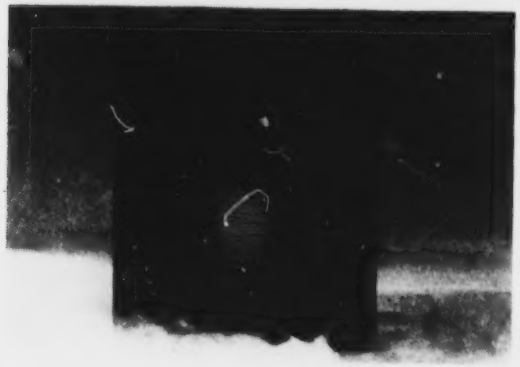
Power Source: 120V AC

Connector Type:

Cost: $800.00

Kincontrol is a environmental control unit operated by single or dual switch scanning. A function switch allows the system to be set up to control 3 to 10 outputs. The outputs can be switched appliances connected directly to the Kincontrol unit, or Ultra 2T ultrasonic remote control receivers (also available from TASH). The latter option allows control of appliances anywhere within a room without direct wiring.

Ultra 2T transmitters and receivers must be purchased separately. Contact TASH for more information on prices and features.



Product Name: Mastervoice Environmental Control Single User Unit

Vendor: Mastervoice

Size: 10.6" x 8.8" x 3.1"

Weight:

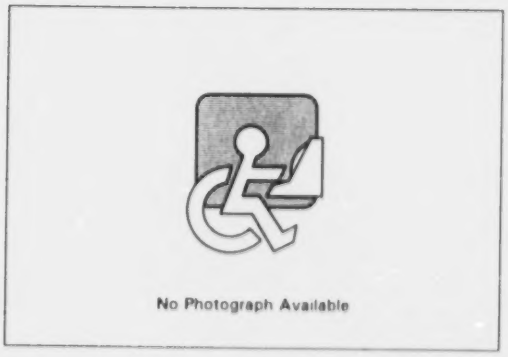
Power Source: 120V AC

Connector Type:

Cost: $1,295.00

The Mastervoice Environmental Control Unit is a voice-activated environmental control system with speech output. Once trained the unit can recognize particular words as commands to activate various appliances. The unit can also control devices through sixteen built-in timers, manual control, and infrared sensor. Up to 256 appliances can be activated including lights, television, stereo, and electric beds. The control unit has a built-in telephone which is voice-activated allowing the user to dial, answer, and speak remotely; devices can also be controlled through telephone commands. An alarm system which detects intruders and asks them to identify themselves is another one of the device's features.

The control unit has a serial port for computer interface. An alarm jack, modem, and X-10 receive feature are available options.



Product Name: Memory Button Telephones

Vendor: Various (Generic Product)

Size:

Weight:

Power Source:

Connector Type:

Cost: Varies

Telephones with memory buttons can be useful to persons who have trouble remembering telephone numbers or persons with physical disabilities who need a quick and easy method of dialing. For persons with cognitive disabilities, the complexity of button use should be considered. Some phones have multiple levels of buttons which require toggling a switch then pressing a button to access some numbers; these phones should be avoided. Other considerations include the size and spacing of labels. Some button labels are so small that cognitive discrimination of the words or symbols placed on them would be difficult. For persons with motor disabilities, the size and space between each memory button is critical.

Memory button telephones are available in most department stores, electronic stores, and telephone stores. Prices vary widely but have been dropping during the last few years.

Product Name: MicroDEC II

Vendor: Medical Equipment Distributors, Inc. (MED)

Size: 8.5" x 8.5" x 2.5"

Weight:

Power Source:

Connector Type:

Cost: $1,886.00

Micro-Dec II is a remote environmental control that can be operated by two switch scanning. The user can turn off and on lights and appliances (120 or 240 V), adjust a thermostat, or control switch operated battery-powered devices. The user makes selections by scanning Micro-Dec's various displays; the commands are then sent to the various appliance control units.

Various switches can be used to operate Micro-Dec II. Options available include TV control (on/off, volume, and channel), phone control (including memory dialing), and electric bed control. Contact manufacturer for details.

Product Name: Mini-Environmental Control MECU-1

Vendor: Nassau Applied Technology Resource Center

Size: 7.5" x 4.38" x 2.5"

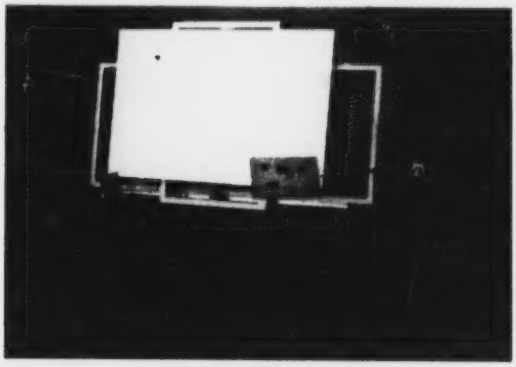
Weight:

Power Source:

Connector Type:

Cost: $232.00

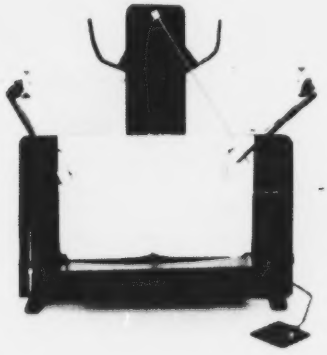
Mini-Environmental Control can be interfaced with standard, 1170 watt or lower appliances (small hair dryers, lamps, popcorn machines, etc.) to allow them to be run using a single switch. A latch switch permits the control to be used in either momentary or latched mode.



Product Name: Motorized Easel
Vendor: Extensions for Independence
Size: See text
Weight:
Power Source: 110V AC
Connector Type:
Cost: $2,600.00

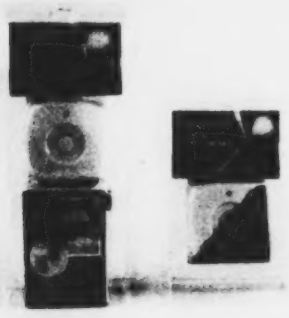
Motorized Easel is an adjustable easel with two electric motors that move the drawing board portion up, down, or side-to-side. The motors are activated by a micro-switch control (included). The angle of the drawing board is adjusted manually.

The drawing board is available with dimensions of either 24" x 36" or 36" x 48". The frame that holds the drawing board can adjust in height from 34" to 54" (measuring from floor to center of drawing board).



Product Name: Next Page Page Turner
Vendor: TASH, Inc.
Size: 24" x 9" x 24"
Weight: 10 lbs.
Power Source: 12 volt DC adapter
Connector Type:
Cost: $3,000.00

Better Page Turner is an electronically controlled page turner. Its features include single, dual, or multiple switch control and bi-directional page turning. This page turner can handle books, magazines, paperbacks, and three-ring binders. Books up to 2" in thickness and 9.5" x 11.5" can be used. Switches are not included but a scanning mechanism is built-in to the page turner.



Product Name: On/Off Remote Switch

Vendor: Dimango Products

Size: 3" x 2" x 1"

Weight: 1 lb.

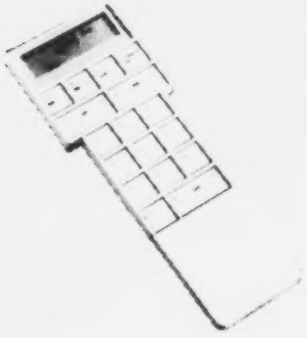
Power Source:

Connector Type:

Cost: $20.00

On/Off Remote Switch is a system consisting of a small hand-held transmitter unit with a button on top and a receiver unit that plugs into a wall outlet. The appliance to be controlled is plugged into the receiver, and the user can turn it on and off at a distance of up to 50 feet by pressing the button on the transmitter unit.

Three different frequencies of receivers with corresponding transmitters are available: a lamp model (750 watts max.), an appliance model (1800 watts max.), and a motor and fan model (900 watts max.). Separately purchased receivers are also available.



Product Name: PIC-100 Programmable Remote Controller

Vendor: Celadon Incorporated

Size:

Weight: 8 oz.

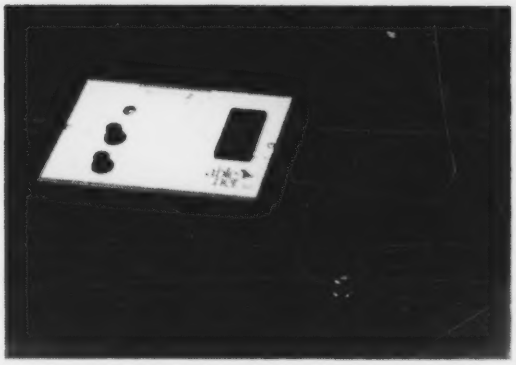
Power Source: 4 "AAA" batteries

Connector Type:

Cost: $360.00

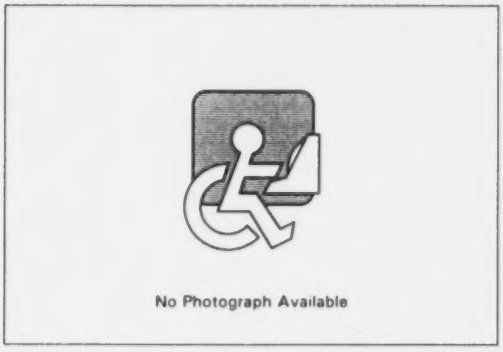
The PIC-100 Programmable Remote Controller is a unit which allows the user to operate devices which accept infrared signals. This control unit can be operated by depressing keys on it or it can be connected to a personal computer. Devices such as televisions, stereos, and VCRs which receive infrared signals can all be controlled through this one remote unit. Internal programming allows the user to create macro sequences of infrared commands and timers; these commands may be viewed on the PIC-100's liquid crystal display.

A special interface (extra) must be used to connect the PIC-100 to a computer ($75.00).



Product Name: PowerLink 2
Vendor: AbleNet, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: $150.00

PowerLink 2 (formerly Ablenet Control Unit) is an environmental control unit which allows the user to operate two appliances simulatenously. Using any single switch (extra), the user may operate appliances using either a direct, timed, or latched mode. Direct control keeps the appliance on while switch is activated. Timed control may be set to turn devices on for one second to sixty minutes; the timer stops at the end of the pre-set timing interval even if the switch remains activated. Latched control provides one-touch one and one-touch off.



Product Name: PROXi
Vendor: Madenta Communications, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: Contact manufacturer

PROXi is a wireless environmental control system based on a Macintosh computer. Special software shows picture symbols for electrical devices (telephone, lights, TV, etc.) and the user can select the desired device by clicking with the mouse, or using an adapted input device for the Macintosh (purchased separately). The system can control lights and appliances (through X-10 control modules), telephone (including a variety of phone features such as speed dial and re-dial), intercom, and electronic devices that have remote controls such as TVs, VCRs and stereos. PROXi consists of special software for the Macintosh plus an interface that connects to infrared controllers and X-10 controllers for appliances.

Voice command input is an option for the PROXi. A wireless remote microphone is available so that the user can command the system from a distance.

Product Name: Radio Remote Control

Vendor: EKEG Electronics Company LTD

Size: 11" x 4.5" x 4"

Weight: 5 lbs.

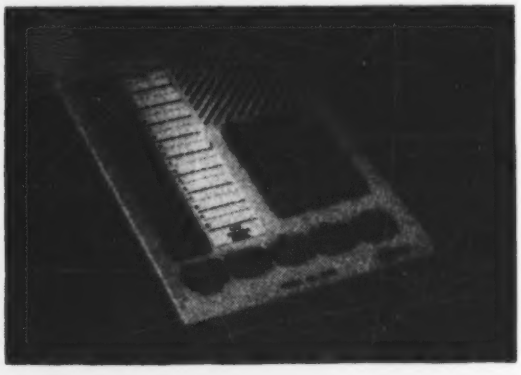
Power Source:

Connector Type:

Cost: $200.00 - $475.00

Radio Remote Control is a system that allows remote control of electrical appliances. Two types of hand-held transmitter are available, one with a nine-key keypad and one with a single switch. The first allows more than one appliance to be controlled; the second controls only one. The receiver units come with an antenna for reception of the transmitter signal. The range of reception is 440 yards. The appliance plugs into the receiver unit and the receiver unit plugs into the wall socket. Control relays in the receiver units are rated at 15 amps.

Price will vary according to what type of transmitter (single switch or keypad) and what type of receiver (single duplex outlet, double duplex outlet, alarm only) are ordered.



Product Name: RC-3000 Speakerphone

Vendor: AT & T Accessible Communication Products Center

Size:

Weight:

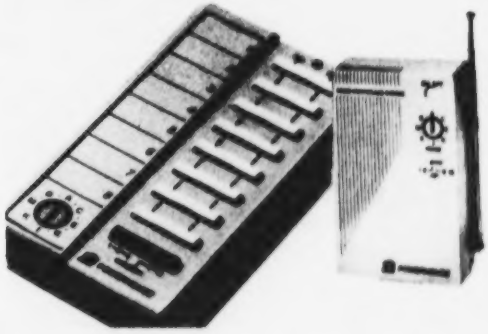
Power Source: Rechargeable battery

Connector Type:

Cost: $399.95

The RC-3000 Speakerphone is a telephone with features useful to people with disabilities. A call is placed by pressing the On/Off button, which dials the operator or whatever number is stored in memory location 1. Communication may then take place without needing to press any additional buttons. Eighteen numbers may be stored and dialed with one touch. The phone features extra large buttons, volume control, redial button, mute button, and flash button for access to Custom Calling features.

A leaf switch, touch switch, paddle or foot switch, or puff and sip switch (extra) may be attached to the RC-3000 and used in lieu of pressing the On/Off button. A headset jack is also provided.



Product Name: RC5000 Radio Home Control System
Vendor: X-10 (USA), Inc.
Size:
Weight: 4.5 lbs.
Power Source: 120V AC
Connector Type:
Cost: $49.99

RC5000 Radio Home Control System is a radio-operated appliance control system. The RC5000 broadcasts a signal strong enough that the user can operate appliances (turn on lights, for instance) even from outside the house. The user presses a button on a hand-held transmitter. This transmitter broadcasts to a transceiver (transmitter/receiver) unit which has an electrical device plugged into it. This one device can be turned on or off, plus up to eight additional X-10 appliance control modules can be controlled by the transceiver. Thus the system can control up to eight appliances, each having a separate button on the hand-held transmitter unit.

The price listed is for the transmitter and transceiver unit (capable of controlling one appliance). Additional X-10 appliance control modules are available at extra cost ($14.99).

No Photograph Available

Product Name: RELAX
Vendor: TASH, Inc.
Size: 6" x 2.5" x 1"
Weight:
Power Source:
Connector Type:
Cost: $500.00

RELAX is a portable infra-red remote control system that can be used to remotely control VCRs, CD players, tape recorders, stereos, and televisions. The unit can be programmed to accept up to 40 remote functions (TV on/off, volume higher/lower, etc.); there are 10 preprogrammed functions included.

A single switch for controlling RELAX must be purchased separately. Contact manufacturer for details on price and capabilities.

Product Name: Remote Control Speakerphone Model RC3000

Vendor: Ameriphone, Inc.

Size:

Weight:

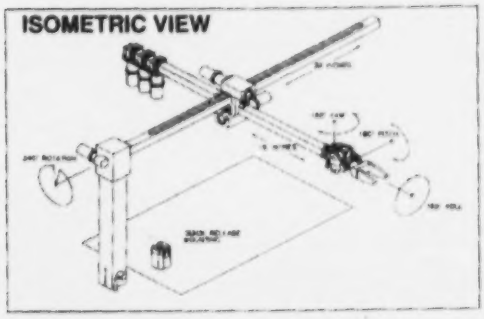
Power Source:

Connector Type:

Cost: $499.00

Remote Control Speakerphone is a programmable speakerphone and remote control unit. When the button on top of the remote control is pressed, a preprogrammed number (such as OPERATOR) is automatically dialed. The same remote control is used to answer incoming calls. The base unit and the remote control can also be controlled via various types of switches, and may have a headset or lapel microphone attached. Additional features include: oversized buttons, capacity for 18 programmable numbers, and NiCad battery backup.

A version without the remote control is available for $399.00.



Product Name: Robotic Work Station Attendant

Vendor: Regenesis Development Corporation

Size: 42" x 60" x 52"

Weight: 18 lbs.

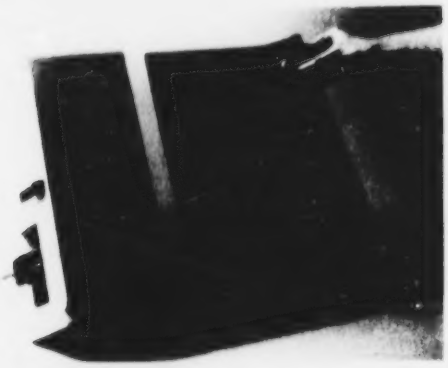
Power Source:

Connector Type:

Cost: Contact manufacturer

The Robotic Work Station Attendant is a robotic environmental control unit. The unit features a robotic arm that can handle files, turn pages, handle diskettes and telephone handsets, operate office equipment, and perform some feeding functions. Multiple "hand" designs are supplied to provide different accommodations for different environments. The arm is controlled through an IBM computer (extra) running a high-level programming language called FLASH.

Robotic Work Station Attendant rotates 340 degrees; the 20 degree area not covered by the unit may be located at any angle. The standard system comes with an arm that provides a 29" radius of reach; alternative arm lengths may be requested. A variety of user input control options are available, including voice input, standard or alternative keyboard, and single or dual switch Morse code or row scanning.



Product Name: Saltus Reader
Vendor: Dickey Engineering
Size: 9" x 11"
Weight: 20 lbs.
Power Source: Rechargeable battery
Connector Type:
Cost: $480.00

The Saltus Reader is a page turning device with 9 x 11 inch clear plastic pockets. Pages from textbooks or magazines must be taken out of the book/magazine and placed in the pockets, which the user scrolls through sequentially. Scrolling may be incremental or page at at time, both forward and back through the available pages. Only one side of the page is visible when scrolled, so two copies of the material to be read are needed.

A variety of switches are available to operate the Saltus Reader. Contact the manufacturer for details.

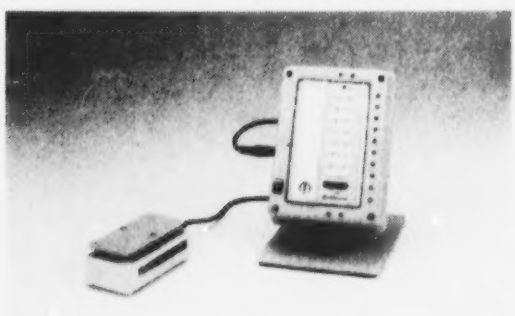
Product Name: Sapura S2000 HF
Vendor: Temasek Telephone, Inc.
Size:
Weight: 3.5 lbs.
Power Source: 4 "AA" batteries
Connector Type:
Cost: $179.00

The Sapura S2000 HF is a programmable voice activated telephone. Incoming calls can be answered by giving a spoken command within fifty feet of the phone and conversation can be carried on using the speakerphone or the standard handset. The phone automatically cuts off the connection when the other party hangs up. This product also features recall memory for up to 200 names and numbers as well as memory for storing time, date, number, and duration of outgoing calls. An electronic locking feature also prevents unauthorized calls.

Product Name: Scanning Remote Control (SRC)
Vendor: DU-IT Control Systems Group, Inc.
Size: 6" x 3.25" x 1.75"
Weight: 1 lb.
Power Source: 12V DC
Connector Type:
Cost: $450.00

Scanning Remote Control (SRC) is a scanning remote environmental control system that can operate two infrared controlled appliances, including TVs, VCRs, satellite systems, and home entertainment systems, or one appliance and up to 16 lights/appliances through the X-10 system. The SRC has two rows of selections, one row for each appliance. The user controls the appliances by scanning and selecting the various options with one or two switches. The user first selects the appliance to control, then scans through the various options--including turning an appliance on or off, selecting TV channels, and controlling a VCR. The SRC allows remote control of appliances (except telephones) in the same room as the user, or distributed throughout the house and yard and controlled by X-10.

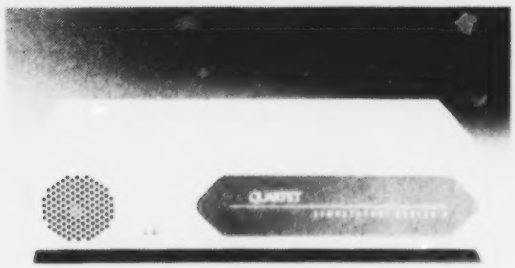
There are three models of the SRC: the SRC-DWC, which uses the DU-IT wheelchair control system; the SRC-ECU, which uses a DU-IT MECCA or DEUCE environmental control system; and the SRC-IND, which can be controlled with just a single or dual switch. The appliance to be controlled must be equipped for infrared remote control, and the SRC must be custom programmed by DU-IT.



Product Name: Scanning X-10 Powerhouse
Vendor: Prentke Romich Company
Size:
Weight:
Power Source:
Connector Type:
Cost: $550.00

Scanning X-10 Powerhouse is a portable environmental control unit that can remotely turn appliances (lights, radio, etc.) on and off. Using a main control panel, the user selects any one of 8 - 16 appliances in the house and then chooses to turn it on or off. Selections are made by scanning with either one or two switches. The unit sends a radio signal through the household wiring to individual X-10 control units, which turn an appliance on or off. The user can control appliances from anywhere in a particular room, house or apartment.

Scanning X-10 Powerhouse will work with any standard switches (extra). Lamp/appliance modules are purchased separately as needed. With some wheelchairs there is also the option of controlling the unit from the wheelchair's joystick.



Product Name: Simplicity Series ECUs

Vendor: Quartet Technology, Inc.

Size:

Weight:

Power Source:

Connector Type:

Cost: $3,985.00 - $5,185.00

Simplicity Series ECUs are a group of environmental control units that can be used to operate lights, appliances, phones, electric beds, television, VCR, cable box, and accessories (page turners, door openers, etc.). The user selects appliances and control functions through voice commands or switch activation, and can also train and re-train the system through voice control alone. Additional lamp and appliance modules may be added to the basic unit. The equipment works through standard house wiring, and operates up to an hour on battery backup in case of power failure.

Series 5 and 6 are operated through voice control and are intended for users who have consistent voices; Series 7 and 7M are controlled using switch activations and are designed for users who lack strong verbal abilities. Series 6 and 7M also enable the user to access a personal computer.

No Photograph Available

Product Name: Speaker Phones

Vendor: Various (Generic Product)

Size:

Weight:

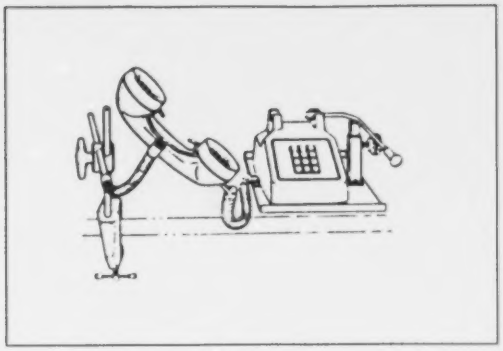
Power Source:

Connector Type:

Cost: Varies

Speaker phones can frequently be an alternative to the standard phone for persons with severe motor disabilities who may have trouble using a standard receiver. Instead of picking up the receiver and holding it to their ear, speaker phone users can simply press the "off hook" button to answer the phone or to initiate the phone calling process.

Speaker phones are widely available at electronics and hardware stores, and are relatively inexpensive. However, the phones may need to be adapted so the off hook button is more accessible to persons using the system. Installing external switches or attaching a simple extension lever to the button will often solve the button access problem.



Product Name: Telephone Holder & Line Connector

Vendor: Zygo Industries, Inc.

Size: 33" long

Weight: 1.5 lbs.

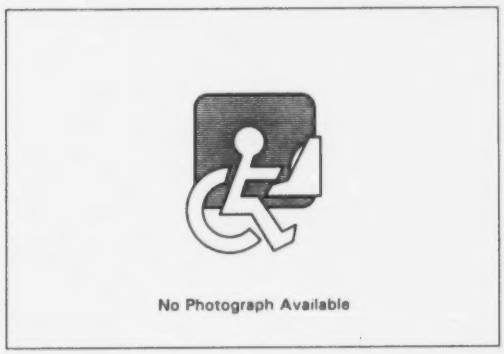
Power Source:

Connector Type:

Cost: $160.00 - $295.00

Telephone Holder and Line Connector is a system for operating and speaking into a phone without having to pick up or hang up the receiver. The Telephone Holder is a clamp that holds the receiver. It is attached to mounting hardware for affixing to a stable surface. The Line Connector consists of a platform on which the phone rests and a lever mounted on the platform. By pressing on one end of the lever, the user causes the other end to either press down or release the receiver buttons.

The Telephone Holder is available separately ($110.00) and with the Line Connector ($200.00).



No Photograph Available

Product Name: Telephone Management System

Vendor: Innovative Care Systems

Size:

Weight: 4 lbs.

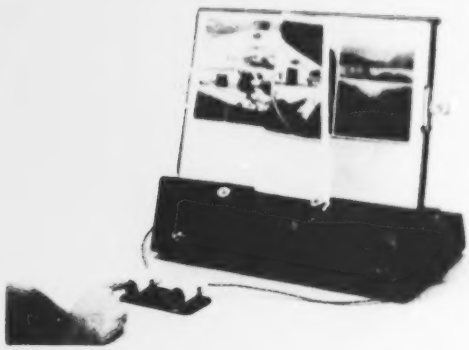
Power Source: 9V or 2 "AA" batteries

Connector Type:

Cost: $695.00

The Telelphone Management System allows the user full use of telephone functions with a single switch. The user activates a switch twice to answer calls and then once to end the call. When the user wants to make a call, the device cycles through types of functions, such as dial and redial, allowing the user time to select from these. Then the product cycles through the numbers also allowing time for the user to make selections. If time elapses with no selections made, the product will begin its cycle again. The time allowed for selecting functions and numbers can be adjusted to three different speeds. This system also features memory dial, last number redial, speaker phone, and large number display. The key pad on the telephone can also be used without switch input.

A switch is not included with the system although a headset and wireless remote control are available as options. The device has a standard 1/8 inch plug and is compatible with most switches.



Product Name: Touch Turner

Vendor: Touch Turner

Size: 18" x 9" x 15"

Weight: 14 lbs.

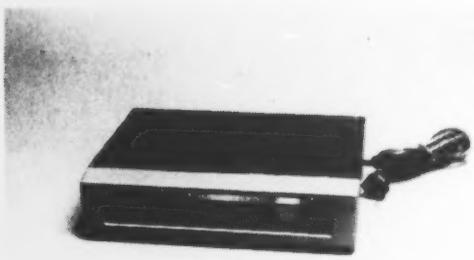
Power Source: 8 "D" batteries

Connector Type:

Cost: Contact manufacturer

Touch Turner is a device that holds books and magazines, turning the pages automatically. Once a book is placed on the stand, the user can turn the pages simply by activating a single or dual switch. Activating the switch causes electrically powered turning arms to turn one page at a time.

Three models of Touch Turner are available: one that turns pages of hardcover books and magazines in one direction (single switch), one that turns pages of hardcover books and magazines in either direction (dual switch), and one that turns the pages of paperback books and magazines in one direction only (single switch). Touch Turner comes with one or two lever switches as appropriate. Other switches, including sip-and-puff, joy stick, and large target switches, and a 110-volt adapter are available at extra cost.



Product Name: TV Converter Model 4020

Vendor: TASH, Inc.

Size: 10" x 8" x 2.5"

Weight: 5 lbs.

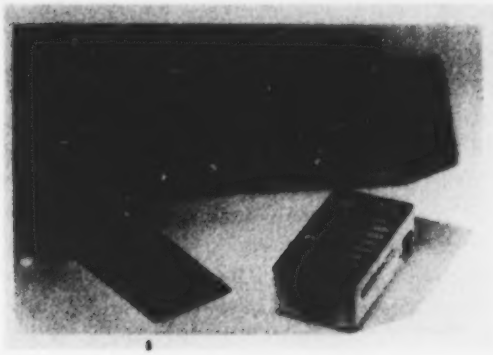
Power Source: 120V AC

Connector Type:

Cost: $250.00

TV Converter Model 4020 is an environmental control accessory that can be used to turn a TV on and off, adjust the volume, and select channels. The TV Converter Model 4020 is controlled using the Unidialer telephone control. These systems allow control with a single switch.

TV sets with electronic start cannot be turned on with this converter. The exact unit supplied will vary depending upon market availability.



Product Name: TVRC and TVRCS

Vendor: DU-IT Control Systems Group, Inc.

Size:

Weight:

Power Source:

Connector Type:

Cost: $600.00 - $645.00

TVRC and TVRCS are remote controls for TVs which allow control of a variety of functions. The TVRC and TVRCS are designed to be attached to TVs that are not already equipped with remote controls, allowing them to be operated with a single or dual switch using the Scanning Remote Control (also from DU-IT; see entry). The SRC is included as part of the package. The TVRC can control channel selection and will return the TV to the last channel selected after being turned off (not to channel two like most sets). The TVRCS provides non-scanning control of the TV. Two levels of simplified TV control are available.

Product Name: U-Control

Vendor: Words+, Inc.

Size: 7" x 2.5" x .5"

Weight: 4 oz.

Power Source: 3 "AAA" batteries

Connector Type:

Cost: $495.00

U-Control is an environmental control unit operated from a computer-based communication aid. U-Control can be operated from any Words+ communication or computer access system, including EZ Keys, WSKE, or Talking Screen. U-Control can control any household device currently controlled with an infrared remote control, such as TV, stereo or cable control box. U-Control can also control appliances such as lights, radio, fan, or power door locks, using remote appliance control units (X-10 controllers). The U-Control device sends signals to activate appliance control units, so no wire connections between the U-Control and the appliances are necessary.

The basic system consists of serial cable for connecting to communication aid, serial port infrared transmitter, infrared command center, one X-10 alarm/relay module and two X-10 appliance control modules. Additional appliance control modules are available. For items such as power locks and power drapes, additional equipment and installation may be required.

Product Name: Ultra 4 Remote System

Vendor: TASH, Inc.

Size:

Weight:

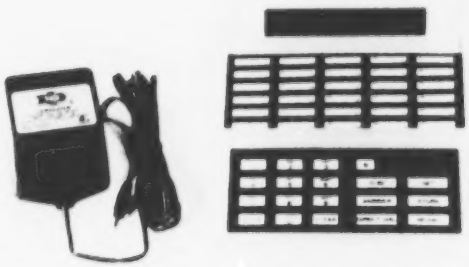
Power Source: 1 "AA" battery

Connector Type:

Cost: Contact manufacturer

Ultra 4 Remote System is a remote environmental control system utilizing ultrasonic signals. A transmitter offering up to four channels of ultrasound transmission transmits to as many as four remote appliance control modules. These modules plug into a wall socket; the controlled appliance then plugs into the module. The transmitter and modules are color coded. Appliances must be no more than 500 watts, and must have two-prong plugs. The transmitter will not transmit through walls.

Transmitters available include a hand-held unit with four small buttons, a larger unit with four one-inch diameter buttons, a four direction joystick, a dual sip and puff transmitter, and a unit that accepts dual switch input. Receivers available include wall socket modules, a plug strip, and a single or dual switch emulator. Contact manufacturer for price information for various components.



Product Name: Unidialer II

Vendor: TASH, Inc.

Size: 8.5" x 6" x 2"

Weight: 1.5 lbs.

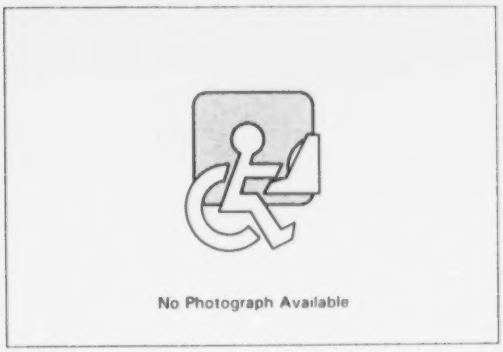
Power Source:

Connector Type:

Cost: $800.00

Unidialer is a device that allows a single switch to be used to dial a phone. The scanning speed and switch closure time are adjustable. Up to 30 numbers can be stored in memory and recalled by two switch closures. A HELP number can be triggered by one long switch closure. The last number dialed can be redialed automatically. Unidialer has batteries for retaining operation and memory in case of power failure.

Unidialer comes with an AC adapter, phone cord, instruction manual inclined stand, and five label parts to attach to unit for listing phone numbers. Phone and single switch are not included. Unidialer can also be used to access a television and perform up to four on/off functions for appliances; contact manufacturer for information on purchasing power modules, TV converter, and speaker.



Product Name: Universal Control System with Tongue Touch Keypad

Vendor: New Abilities Systems, Inc.

Size:

Weight:

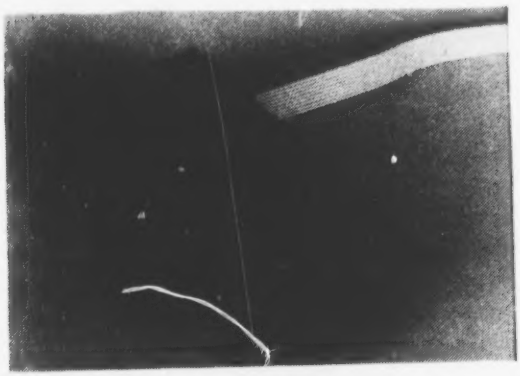
Power Source:

Connector Type:

Cost: Contact manufacturer

The Universal Control System (UCS 1000) provides the user with evironmental control, computer access, and mobility control. The system mounts onto the user's chair and activates external equipment using radio frequency and infrared links. The TongueTouch Keypad is the input device for the system. The keypad has nine keys which are built into a standard dental retainer and activated through tongue pressure.

The TouchTongue is customized for each individual and is made from biocompatible materials that enable it to be worn at all times except during dental hygiene and meals. Contact the manufacturer for specific price and system customization information.



Product Name: Universal I.R. Remote

Vendor: Baylor Biomedical Services

Size: 1" x 2.6" x 4.6"

Weight:

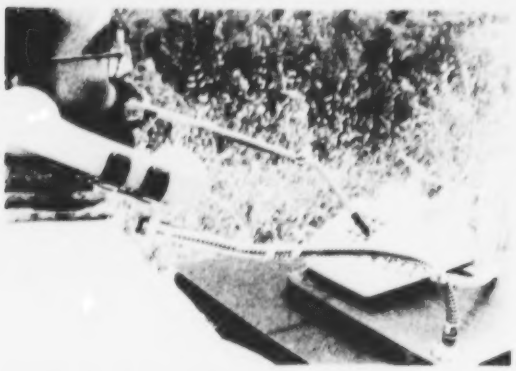
Power Source: 9V battery

Connector Type:

Cost: $130.00

Universal I.R. Remote is a universal infrared remote control that is able to accept input from a variety of switches. The standard unit has two 1/8" plugs for switch control of Television On/Off and Channel Up functions.

The unit must be programmed using an existing infrared remote control. Contact manufacturer about modifying unit to perform additional functions.



Product Name: Universal Telephone Adapter/Modular Telephone Adapter

Vendor: Extensions for Independence

Size:

Weight:

Power Source:

Connector Type:

Cost: $108.00 each

Universal Telephone Adapter is a system for phone operation, consisting of a gooseneck that holds the handset and a toggle-type lever that engages and disengages the receiver. Both gooseneck and lever are mounted on a base that accomodates the phone as well (phone not included). Lever unit is adjustable for various type of phones.

The Modular Telephone Adapter has a smaller platform for just the telephone, and a gooseneck receiver holder that is mounted separately.

Product Name: Virtual Telephone

Vendor: Madenta Communications, Inc.

Size:

Weight:

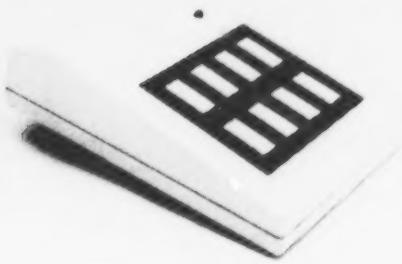
Power Source:

Connector Type:

Cost: $1,295.00

Virtual Telephone (VT) is a combination of software and hardware which allows complete control of the telephone via a Macintosh computer. The user controls the phone by using the mouse or any pointing device and clicking on a visual representation of the telephone. To dial calls, the user clicks on the visual receiver, it comes "off the hook"; numbers are dialed by clicking on the appropriate buttons. Conversations may be made on the built-in speakerphone or by using a wireless intercom. Calls are ended by clicking on the receiver again. Voice commands may also be used to control the phone. VT features last number redial, hold, a status window, and a programmable speed dial directory.

VT requires a Macintosh computer, System 6.03 or later, HyperCard 2.1, and 2 MB of RAM.



Product Name: X-10 Home Control Interface

Vendor: X-10 (USA), Inc.

Size:

Weight:

Power Source:

Connector Type:

Cost: $69.99

X-10 Home Control Interface is a system for remote appliance control using a microcomputer (not included). The system consists of a computer control panel that connects to the computer and a series of X-10 Control Modules (see entry for X-10 Powerhouse System). The modules control individual appliances, lamps, thermostats, etc. An image of a particular room appears on the computer monitor, and the user adds a symbol for each appliance to be controlled in that room. Once the image of the room is composed, and the appropriate appliances are plugged into their control modules in that room, the user may display the room on the computer screen and control the appliances with a joystick. The joystick may also be used to initially select the desired room. The X-10 Home Control Interface can also be programmed using the computer and then disconnected and used separately.

Various types of control modules with various power ratings are available from the manufacturer. Cost of the system will vary depending on the number and type of controls desired.

Product Name: X-10 Powerhouse System

Vendor: X-10 (USA), Inc.

Size:

Weight:

Power Source:

Connector Type:

Cost: Contact manufacturer

X-10 Powerhouse System (formerly called X-10 System and BSR X-10 System) is a flexible remote appliance control system. A central control panel is plugged into a wall socket, and the desired appliances are plugged into appliance control modules around the house. The user selects which appliance he wants controlled on the central control panel, and a signal is broadcast through the house wiring to the appropriate control module. The module then turns the appliance on, off, up, down, etc. Many different types of control modules are available, including socket, wall switch, telephone, and thermostat models.

The system and components are sold by various manufacturers under various names. Some companies have versions with scanning control panels. Contact X-10 (USA) about what systems are available. Cost will vary. X-10 also offers a remote radio transmitter that allows control from a greater distance, such as outside the home.

Chapter 9

Call, Monitoring, and Memory Systems

This chapter contains special call buzzers, adaptations to hospital call systems, telephone emergency call systems, activity monitors for elderly and disabled persons, and memory aids and reminder systems for who are elderly or have cognitive disabilities. Automatic fire alarms, burglar alarms, etc. are not included in this chapter, although some aids which appear in this chapter could also have such features.

Some related functions found in Index 1 are Assessment (AS) and Training and Communication Initiation Aid (TR). Some of the related Input Types in Index 2 are Pressure Sensitive, Switch Input, and Noise.

The following product entries appear in this chapter:

Accularm, *237*
Auto Call Single Number Dialer, *237*
Beeper, *238*
Call Alert Model CA-100, *238*
Call Bell, *239*
Call Light 330/430, *239*
Call Signal 2, *240*
Chime Alarm, *240*
Companion, *241*
E-Z Call, *241*
Emergency Call Alarm, *242*
Intercom Unicontrol, *242*
JANICE Model 100 Invalid Security Alert System, *243*
Lifeline Personal Response System, *243*
LIFEWATCH, *244*
Lighted Extra Loud Signalling Buzzer, *244*
Lighted Signalling Buzzer, *245*
Linear Alert ET-1B, *245*
Micro-Alarm and Alert-911, *246*
NeuroPage, *246*
Omni Page System, *247*
PA-1 Portable Alarm, *247*
Personal Alert System, *248*
Phone Care Automatic Dialer for the Disabled (ADD), *248*
Pressure Release Alert, *249*
Signal Buzzer, *249*
SignalMan Control Unit, *250*
Silent Page System, *250*
Vibra-Call System, *251*
Watchman Master, *251*
Wireless Alerting Systems, *252*

The following products from other chapters can also be used as Call, Monitoring, or Memory Systems:

Able-Switch 500, *198*
Able-Switch Model 300, *199*
EZRA, *210*
MicroDEC II, *217*
Portable Typewriters and Handheld Computers, *113*
RC5000 Radio Home Control System, *222*

Product Name: Accularm

Vendor: Hugh MacMillan Rehabilitation Centre

Size: 2.5" x 3.5" x 1.25"

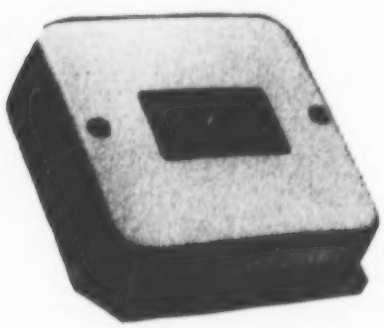
Weight: 1 lb.

Power Source: 9V battery

Connector Type:

Cost: $245.00 Canadian

The primary function of the Accularm is to provide a timed signal to a subject at regular intervals. It provides a chiming audio tone to an enclosed speaker or to an external ear phone. The amplitude level of the tone can be manually adjusted. The timing interval can be pre-set for 1 to 99 seconds. Internal circuits in the Accularm can be altered by manufacturer or engineering personnel to change this interval from seconds to minutes, and thus provide a timed interval of 1 to 99 minutes. This device can be used in research, clinical or therapy situations to remind or condition patients to perform a given task in the prescribed time interval. The Accularm can be used to remind subjects with difficulty in controlling drooling to swallow, or to remind persons with little sensation to move about to avoid pressure sores.



Product Name: Auto Call Single Number Dialer

Vendor: Ameriphone, Inc.

Size:

Weight:

Power Source:

Connector Type:

Cost: $195.00 - $249.00

The Auto Call is a 16-digit programmable dialer designed for "hot line" or emergency calls. Lifting the telephone handset or pushing a button will cause the pre-programmed number to be dialed. The Auto Call features true dial tone detection, and does not require an external transformer or batteries.

The Auto Call is available in two models: Model 1001 with pulse output ($195.00), and Model 2501 with touch-tone output ($249.00).

Product Name: Beeper
Vendor: Crestwood Company
Size: 5.5" x 5.5"
Weight: 11.5 oz.
Power Source: 9V battery
Connector Type:
Cost: $31.95 - $49.95

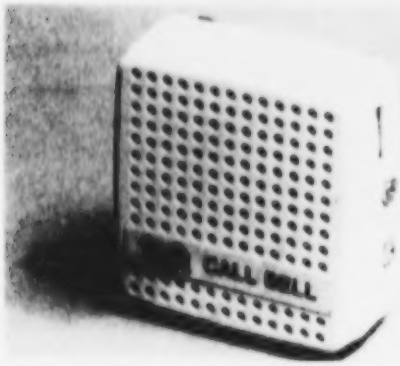
The Beeper is a device that can be used to attract attention or to train individuals who are beginning to use a single switch.

Five models are available. The Beeper ($31.95) consists of a flat plate which is activated by pressure on the top surface. This signal allows single switch signalling for producing individual codes or Morse codes. The Adapted Beeper ($41.95) has a 1/8" plug for attaching a single switch. The Adapted Light Beeper ($49.95) is the Adapted Beeper with a light that goes on when the beeper is activated. Mini Beeper ($44.95) is a version of the Beeper designed to be portable. Mini Light Beeper ($49.95) gives a simultaneous light and sound signal.

Product Name: Call Alert Model CA-100
Vendor: Ameriphone, Inc.
Size:
Weight:
Power Source:
Connector Type:
Cost: $34.95

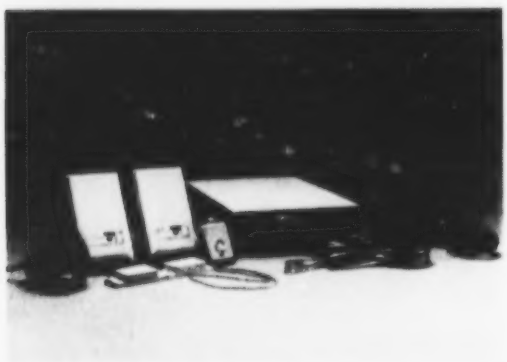
Call Alert is a signalling device that may be used to provide visual indication of an incoming phone or TDD call. The device is plugged into a lamp. When a call is received, Call Alert causes the lamp to flash on and off.

A lamp using a bulb of up to 300 watts is required. Contact manufacturer for further details.



Product Name: Call Bell
Vendor: TASH, Inc.
Size: 4" x 2" x 1"
Weight: 8 oz.
Power Source: 9V battery
Connector Type: 3.5 mm mini-phone plug
Cost: $75.00

Call Bell is a device that sends out a tone when activated by a single switch. The single switch is connected to the jack on the Call Bell. Momentary contact triggers one tone of predetermined length. Call Bell volume is increased with the addition of a 9 volt battery.



Product Name: Call Light 330/430
Vendor: Pioneer Medical Systems
Size:
Weight:
Power Source:
Connector Type:
Cost: $469.00 - $654.00

Call Light Models 330 and 430 are wireless communication response systems. Model 330 is a general system for the user to activate when an emergency occurs. Model 430 is specifically designed to monitor movements of persons who may wander. The systems consist of a main console and one or more pendant transmitters. By pressing on a pendant, an emergency will be signaled to the main console from up to 150 feet away. That signal prompts the main console to contact the Call Light monitoring center. Call Light operators then dispatch appropriate local emergency services.

Both the 330 and 430 Models have patient-down, help light, and two-way voice features. A siren or bed-shaker is available as an option for both models. In addition, intruder detection and smoke alarm systems are available as options with the Model 430.

Product Name: Call Signal 2

Vendor: Prentke Romich Company

Size: 4.75" x 2" x 2"

Weight: 1 lb.

Power Source: Rechargeable batteries

Connector Type:

Cost: $65.00

Call Signal 2 is a signaling device activated by any single or dual switch. If a dual switch is used, activation of either switch will produce a tone, and one of two lamps on the Call Signal 2 will light. Activation with a single switch produces a tone only. Call Signal 2 may also be used as an evaluation and training device for individuals learning the use of control devices. Call Signal 2 comes with a 25-foot cord.

Input is made to Call Signal 2 by any single or dual switch (extra). Call Signal may be used as an accessory to the Control 1 environmental control system (see entry, Prentke Romich).

No Photograph Available

Product Name: Chime Alarm

Vendor: Don Johnston Developmental Equipment

Size:

Weight:

Power Source: 9V battery

Connector Type: Mini-phone plug

Cost: $47.50

Chime Alarm is a switch operated device that emits a musical tone. The distinct tone may be used to call for help or begin a conversation. The tones may also be used to indicate "yes" and "no."

Chime Alarm may be activated by any single switch with a 1/8" mini plug.

Product Name: Companion
Vendor: Pioneer Medical Systems
Size:
Weight:
Power Source:
Connector Type:
Cost: $371.00

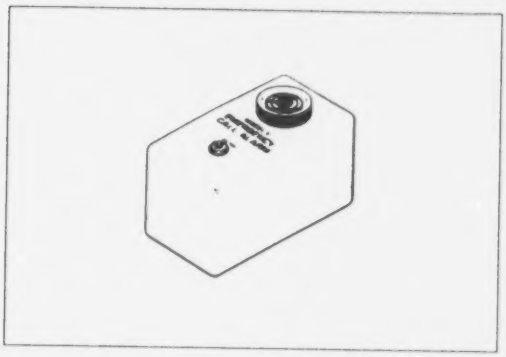
Companion is an emergency alert system comprised of a pendant transmitter and receiving unit. When the button on the pendant is pressed the receiver automatically uses the telephone line to call an emergency response center within one minute. The center then places calls to three people designated by the user.

The pendant is battery powered and can transmit signals up to 150 feet away from the receiver. The receiver plugs into a wall socket and a telephone must be plugged into the unit.

Product Name: E-Z Call
Vendor: Med Labs, Inc.
Size:
Weight:
Power Source:
Connector Type: 1/4" phone plug
Cost: $43.00

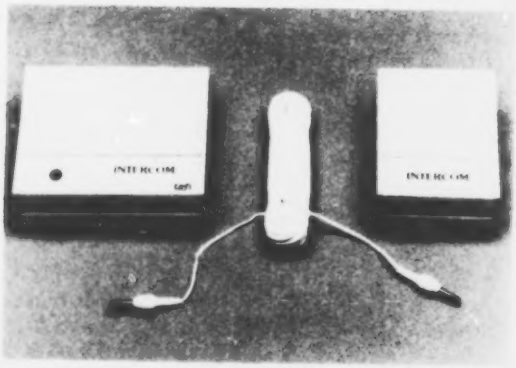
E-Z Call is a switch designed to activate a hospital nurse call system. The pressure plate is mounted where the user may apply slight pressure to it with some part of the body in order to activate it. A 10-foot cord is provided.

Technically, E-Z Call is only a switch; it must be connected to a hospital call system to operate. The manufacturer also makes a portable alarm which E-Z Call may be plugged into (see entry for PA-1 Portable Alarm, Med Labs).



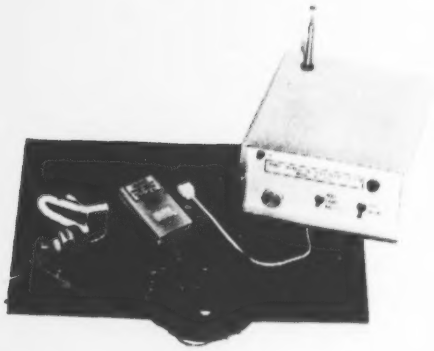
Product Name: Emergency Call Alarm
Vendor: Zygo Industries, Inc.
Size: 2.5" x 4.6" x 3.6"
Weight: 9.5 oz.
Power Source: 2 "9V" batteries
Connector Type: Mini-phone plug
Cost: $210.00

Emergency Call Alarm is a signalling device that emits a piercing, fast-pulse, intermittent tone. A single switch (not included) is used to activate the alarm.



Product Name: Intercom Unicontrol
Vendor: TASH, Inc.
Size: 4.75" x 4" x 1.75"
Weight: 4 oz.
Power Source: 120V AC
Connector Type: 3.5 mm mini-phone plug
Cost: $300.00

Intercom Unicontrol is a intercom system that can be controled from one end by a single switch (extra). One momentary activation of a switch connected to the base station allows the user to listen to the remote station. A second activation of the switch allows the user to be heard at the remote station. Intercom Unicontrol switches off automatically 15 seconds after the last switch closure.



Product Name: JANICE Model 100 Invalid Security Alert System

Vendor: JANICE Invalid Security Alert Systems, Inc.

Size: 2" x 4" x 0.75"

Weight:

Power Source: 9V battery

Connector Type:

Cost: Contact manufacturer

The Janice Invalid Security Alert System is an alarm system that may be attached to standard wheelchairs, clipped on a belt, or carried by hand. The system is designed to ring an alarm to signal a need for help, either in the building where the user is or at an outside location. The system can be activated by hand, and will activate automatically if a wheelchair user falls from or tips over in the wheelchair. The system may also be used as a burglar alarm. The system may be customized to individual needs.

Contact manufacturer for information on availability and pricing.

Product Name: Lifeline Personal Response System

Vendor: Lifeline Systems, Inc.

Size: 1.5" x 1.5" x 0.6"

Weight: 1.2 oz.

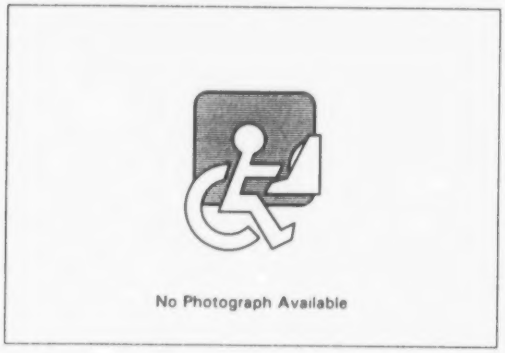
Power Source: 5-year battery

Connector Type:

Cost: Contact manufacturer

Lifeline Personal Response System is an emergency call system that allows the user to call for assistance by simply pressing a help button or activating a switch. In the event of an emergency, the user can activate the communicator to call a central monitoring station. Monitoring personnel can speak with the user through the built-in speakerphone in the system and dispatch the appropriate assistance. In addition, the user can answer incoming telephone calls by activating the switch when their telephone rings and have conversations via the speakerphone.

A set of adaptive switches (extra), including sip/puff, wobble, and rocking level, are available for use with Lifeline.

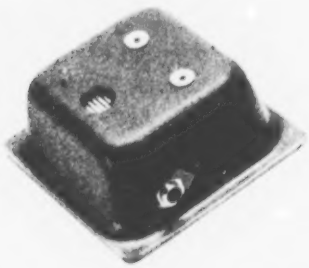


Product Name: LIFEWATCH
Vendor: LIFEWATCH
Size:
Weight:
Power Source:
Connector Type:
Cost: Contact manufacturer

LIFEWATCH is a personal emergency call system. The system consists of a receiver console and a pendant transmitter. When the wearer pushes the pendant button a signal is sent to the receiver console. The receiver then automatically places a phone call to the LIFEWATCH monitoring station which will send medical, police or fire emergency services after determining the situation. The pendant can transmit a signal up to 200 feet away from the receiver.

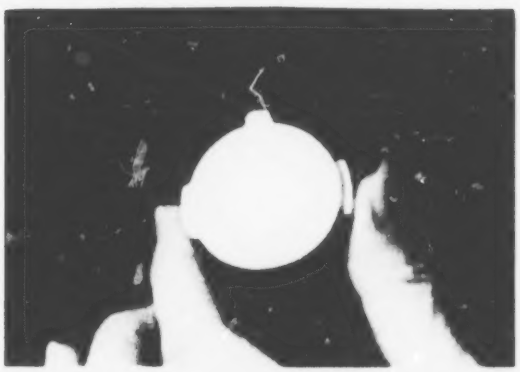
Product Name: Lighted Extra Loud Signalling Buzzer
Vendor: Toys for Special Children, Inc.
Size:
Weight:
Power Source:
Connector Type: 1/4" or 1/8" phone plug
Cost: $41.00

Lighted Extra Loud Signalling Buzzer is a buzzer activated by a single switch. When the switch (extra) connected to the buzzer is depressed, a light on the buzzer lights, a loud piercing buzz sounds, and the unit vibrates (informing the deaf/blind user that the device has been activated).



Product Name: Lighted Signalling Buzzer
Vendor: Toys for Special Children, Inc.
Size:
Weight:
Power Source:
Connector Type: 1/4" or 1/8" phone plug
Cost: $31.00

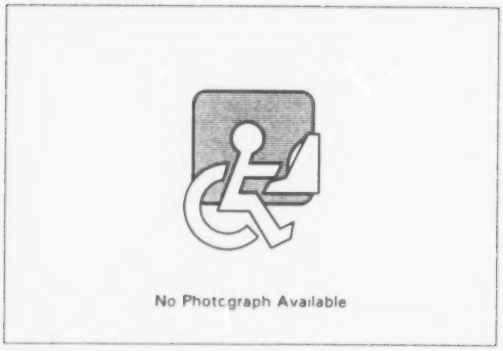
Lighted Signalling Buzzer is a buzzer unit activated by a single switch (extra). When the switch is depressed, the buzzer sounds and a light on the unit lights.



Product Name: Linear Alert ET-1B
Vendor: Linear Corporation
Size: 0.75" x 1.5" diam.
Weight:
Power Source: 12V battery
Connector Type:
Cost: $29.25

Linear Alert ET-1B (which replaces Linear Alert ET-1A) is a small pendant with push switches on each edge. Depressing both switches simultaneously sends a radio frequency signal. The signal coding system allows the user to choose one of 256 different codes, to help protect nearby receivers and transmitters from inadvertently activating each other.

Linear Alert ET 1B is only a transmitter. Its signal must be picked up by a receiver in order to trigger an alarm. The manufacturer offers an extensive line of receiver alarms; contact them for details.



Product Name: Micro-Alarm and Alert-911

Vendor: United Systems Associates Corporation

Size: 8" x 12" x 3" (base); 1" x 1" x .25" (transmitter)

Weight: 0.75 oz.

Power Source:

Connector Type:

Cost: $395.00 - $495.00

Micro-Alarm (formerly Beep-Alarm) is an emergency call system employing a small transmitter. The user holds, carries, or wears the transmitter. When a button is pressed for two seconds or more, the transmitter sends a signal to a base unit connected to the user's telephone (approximate range of transmitter to the phone, 300 feet). The unit then automatically dials a pre-programmed telephone number and plays a pre-recorded message. The Micro-Alarm will call the additional phone numbers in succession. Up to six taped messages can be recorded, each sent to a different number. The transmitters are watertight and run on a ten-year lithium battery. Alert-911 is similar to Micro-Alarm but when activated it dials direct to 911 and lets the user talk to 911 operators.

Transmitters are available in three models: Life-Locket pendant, Wrist-Radio wristband, and "sip and puff" switch. The sip and puff model is activated by blowing into a tube, and is designed for people who cannot press a button. Micro-Alarm can also be interfaced with any existing nurse's call system; contact manufacturer for cost estimate.

Product Name: NeuroPage

Vendor: Hersh & Treadgold

Size: 3" x 2" x 1"

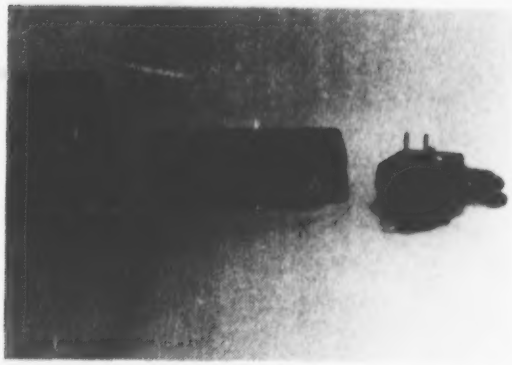
Weight:

Power Source:

Connector Type:

Cost: Contact manufacturer

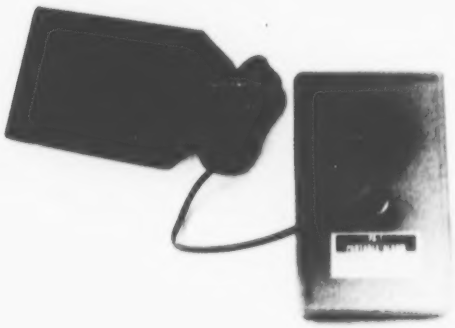
NeuroPage is a cognitive prosthesis reminder system the operates through a standard commercial paging system. The user wears a small pager which provides specific reminders of things which need to be done at the time they need to be done. The device will beep, and also display a short message of up to 250 characters. The text of the reminders and their times are typed into a personal computer. One computer can be set up to serve 100 individuals or more. When a message is due to go out, the computer sends it by modem to the paging service, which then sends it out by radio wave to the paging unit the individual is wearing. If desired, the system can request that the individual call back to verify that a task was done, and can automatically record that the call-back occurred without having a person answer the call. Since the system uses a commercial paging service, an individual can be reached anywhere that the paging service can access, allowing NeuroPage to be used in both inpatient and outpatient settings.



Product Name: Omni Page System
Vendor: Silent Call Corporation
Size: See text
Weight:
Power Source: Rechargeable battery
Connector Type:
Cost: $169.95

Omni Page is a wireless paging system that permits a patient to signal a caregiver within an effective range of 100 feet. The system includes a pager (2.25" x 1.25" x .5") used by the patient, a receiver (5" x 3" x 2.5") that may be worn by the caregiver, and a battery charger. Pressing a button on the pager transmits a signal to the receiver.

Omni Page is available with two different types of receivers: a vibrator (MV-1001-1) and a beeper (MB-1001-1). A head activated switch for use with Omni Page is also available.



Product Name: PA-1 Portable Alarm
Vendor: Med Labs, Inc.
Size:
Weight:
Power Source: 9V battery
Connector Type: 1/4" phone plug
Cost: $39.00

PA-1 Portable Alarm is a portable alarm unit intended for use with the E-Z Call nurse call switch (see entry, Med Labs) where a central call system is not available. When the switch plugged into the PA-1 is activated, the PA-1 emits a shrill whistle, similar to a tea kettle.

Product Name: Personal Alert System

Vendor: Silent Call Corporation

Size: 5" x 1.5" x 2.5"

Weight: 7 oz.

Power Source: Rechargeable batteries

Connector Type:

Cost: $612.68

Personal Alert System (formerly Silent Call) is a system that alerts the hearing impaired user to a variety of stimuli in the household. The user wears a small receiver unit that simultaneously vibrates in response to a signal from any of several transmitted signals. Transmitters are available for detecting: sound (such as a baby's cry), smoke in the house, telephone ringing, door bell ringing, or a pager. The receiver unit has four different signals that can light up, indicating the four transmitters. A pager transmitter is also available which one person can use to signal another person in or around the home.

The system can be used with one receiver and with as many transmitters as desired. The entire system is $612.68 or components may be purchased separately. Available components include the Receiver Unit, Smoke Detector with Transmitter, Door Bell Transmitter, Telephone Transmitter, Rechargeable Sound Monitor, Pager Transmitter, Beacon Type Strobe Light, and a Sleep Alert/Charger for 24 hour operation of the Personal Alert System.

No Photograph Available

Product Name: Phone Care Automatic Dialer for the Disabled (ADD)

Vendor: Newart Electronic Sciences, Inc.

Size: 8.5" x 4" x 7"

Weight: 2.8 lbs.

Power Source: 120V AC

Connector Type:

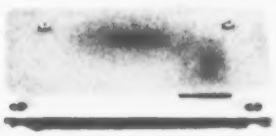
Cost: $498.00

Phone Care Automatic Dialer for the Disabled (ADD) is designed to call for help in an emergency. The user holds or wears a small transmitter that activates the stationary phone unit. The user presses a small bar on the transmitter, which in turn activates the phone. The phone calls up to five pre-programmed emergency numbers, continuously and in sequence until the unit's reset button is pressed. The transmitter unit is available in three models: a Pressure Bar Transmitter that can be activated by the palm, wrist, or forearm; a Bow Tie Transmitter that fastens around the user's neck and is activated with the chin; and a Pushbutton Transmitter.

The unit price for the ADD is $498.00. Volume prices are available; contact the manufacturer for details.

Product Name: Pressure Release Alert
Vendor: Baylor Biomedical Services
Size: 4" x 2" x 1"
Weight: 4 oz.
Power Source: 9V battery
Connector Type:
Cost: $45.00

The Pressure Release Alert is a timer device that emits a tone every fifteen minutes to remind clients to pressure release or perform other required functions. The timer turns itself off automatically at night and may be attached to a wheelchair.



Product Name: Signal Buzzer
Vendor: Toys for Special Children, Inc.
Size: 3" x 5", 5" x 8", 8" x 13"
Weight:
Power Source:
Connector Type: 1/4" or 1/8" phone plug
Cost: $25.00 - $36.00

Signal Buzzer is a plate switch with a built-in buzzer. When the plate on top is pressed, the buzzer sounds. Three sizes of plate are available: 3" x 5", 5" x 8", and 8" x 13". The Signal Buzzer is available with either 1/4" or 1/8" phone plugs.

Product Name: SignalMan Control Unit

Vendor: AT & T Accessible Communication Products Center

Size:

Weight:

Power Source:

Connector Type:

Cost: $39.95

SignalMan Control Unit is a device for causing a lamp to flash on and off each time the telephone rings. The device works with any modular phone and corded household lamp. A switch permits the unit to be used with or without the audio ring signal.

No Photograph Available

Product Name: Silent Page System

Vendor: Quest Electronics

Size: Receiver: 2.2" x 1.8" x .7"

Weight: Receiver: 3 oz.

Power Source: Receiver: 7V mercury

Connector Type:

Cost: $378.00

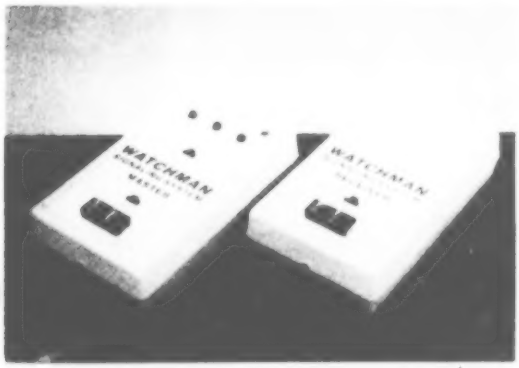
The Silent Page helps to alert people with hearing impairments when a sound has occurred. It consists of two components: a sensor-transmitter and a wrist-worn receiver. When the sensor-transmitter detects a specified sound it sends a coded radio signal to the receiver. The receiver then vibrates to inform the wearer of that sound. The wearer identifies the sound source by looking at a coded light on the receiver. Several sensor-transmitters can be used to identify a number of sound sources.

The Silent Page is battery powered and completely self-contained. It is wireless, and there is no need for hard wire installations. The sensor-transmitter can be placed on a table or it can be attached to a wall. Transmission range is approximately 100 feet; however distance can sometimes be affected by large metal structures. The receiver weighs only slightly more than a man's wrist watch. A sensitivity dial from allows the unit to be adjusted with just enough sensitivity to pick up sound from virtually any sound source. An on/off switch helps to increase battery life. Extra transmitters are available for $159.00. A receiver with five vibro-tactile patterns instead of lights is available for $219.00.

Product Name: Vibra-Call System
Vendor: Silent Call Corporation
Size: 5" x 1.5" x 2.5"
Weight: 7 oz.
Power Source: Rechargeable battery
Connector Type:
Cost: $710.82

Vibra-Call is a system that can be used to alert deaf-blind persons to a variety of household stimuli. The user wears a small receiver unit that vibrates in response to a signal from any of several transmitters around the house or workplace. The user then presses each of the four push-button switches on the top panel of the receiver; this causes the receiver to revibrate to indicate which transmitter was activated. The system can be used with one receiver and as many transmitters as desired.

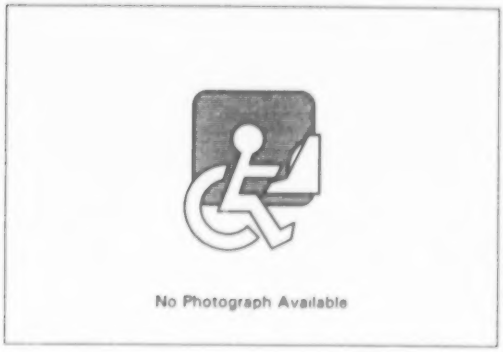
The entire system is $710.82. Components may also be purchased separately: receiver ($305.00), smoke detector ($82.00), doorbell transmitter ($49.95), telephone transmitter ($49.95), rechargeable sound monitor ($89.75), pager transmitter (for signalling between persons, $49.95), and pillow vibrator ($49.95). A sleep alert/charger for 24 hour operation of the system is $98.25.



Product Name: Watchman Master
Vendor: Ultratec, Inc.
Size: 6" x 3.5" x 1.75"
Weight: 26 oz.
Power Source: 120V AC
Connector Type:
Cost: $34.95 - $49.95

Watchman Master (formerly Watchman Phone Master) is a system for detecting sounds around the household. The system consists of two units, a master and a receiver. When the master unit detects a sound, it flashes any household lamp plugged into it. The master unit can be set to send a signal to a receiver unit, so a lamp can be flashed elsewhere in the home as well. As many masters and receivers as needed can be added to the system. Sensitivity and flash rate are adjustable.

The master unit is available for $59.95; the receiver is available for $34.95.



Product Name: Wireless Alerting Systems
Vendor: Nationwide Flashing Signal Systems, Inc.
Size: 2" x 3" x 2"
Weight: 1 lb.
Power Source:
Connector Type:
Cost: $19.95 - $89.95

NFSS, Inc., a company owned and operated by deaf individuals, carries a variety of wireless alerting systems (both light and auditory): telephone ring signallers, doorbell signallers, wake-up alarm converters and smoke alarms.

Contact the manufacturer for details and prices of products of interest.

Chapter 10

Modifications for Standard Keyboards

This chapter contains hardware and software which modify how a computer's standard keyboard operates. Hardware adaptations in this chapter include keyguards, key latches, moisture guards, foot operated shift keys, etc. Software adaptations include programs for adjusting the keyboard repeat rate, programs for rearranging the keyboard, and programs that electronically "lock" keys such as SHIFT.

This chapter only lists products which adapt a computer's standard keyboard. Actual alternative keyboards are listed in Chapters 11 and 12. Adaptations and modifications for parts of the computer other than the keyboard can be found in Chapter 17, Other Adaptations.

A number of the products in this chapter are cross-listed by function in Index 1, and by input/output features in Index 2. A related function is Keyguard (KG). A related input feature is Input Expand/Accel: Abbreviation Expansion. Appendixes A-C include many information summaries of interest to disabled computer users.

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1-Key, *255*
Access Pack for Microsoft Windows, *256*
AccessDOS, *256*
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Blank-Out Keytops, *258*
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Brailled Keyboard Overlay for the Apple IIGS, *259*
Carpal-Eez, *259*
Combination Braille/Large Print Keytop Labels, *260*
Compu-Rest Arm Support, *260*
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Dvorak Conversion Keytop Labels, *261*
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AID+Me Programmable Keyboard, *299*
CHPI Apple Tool Kit, *725*
Help U Type and Speak, *735*
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OneKey, *747*
RotoTyper, *755*
T-TAM Keyboard and Mouse Emulator, *393*
Verbal Operating System (VOS) 5.0 and VOS Basic, *427*

Product Name: 1-Finger Version 5.05

Vendor: Trace Center

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Electronic Manual

Cost: $16.85

1-Finger is a software program designed to allow the one finger, headstick, or mouthstick computer user to use standard software on IBM PC and PS/2 computers. The program remains resident in the computer memory once invoked. Although each computer model handles the keyboard a bit differently, the program is able to determine which is being used, and may be modified by the user for compatibility with IBM-style computers. The program allows one finger use of the modifier keys SHIFT, CONTROL, and ALT. Depressing and releasing one of these modifier keys once makes it active for the next key. Depressing the key twice locks that key until it is unlocked by depressing it again or by depressing its matching modifier key (e.g., left shift may be unlocked by pressing right shift). 1-Finger also allows: manual turning on and off of the program; audible feedback on the states of the modifier keys and when the program is manually turned on or off; user selectable delay time on the automatic repeat of the keys from 0.5 to 60 seconds in 0.1 second intervals; and automatic turning off of the program if a modifier key plus another key are held down at the same time.

Product Name: 1-Key

Vendor: Regenesis Development Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: $15.00

1-Key is designed to allow the one finger, headstick, or mouthstick computer user to use standard software for the IBM PC series of computers. The program remains resident in the computer once invoked. The program allows one finger use of the Shift keys, Control key and Alt key. Depressing and releasing one of these keys once makes it active for the next key. 1-Key also allows the standard key repeat function to be turned off (e.g., only one letter will be typed regardless of how long the key is held down).

Product Name: Access Pack for Microsoft Windows

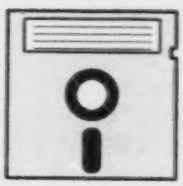
Vendor: Microsoft Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: Free

The Access Pack for Microsoft Windows contains access features for IBM computers running Microsoft Windows. The program's operation can be customized by the user. An on-line manual is included. The driver implements the following: StickeyKeys (provides latching or locking of "modifier" keys such as SHIFT, CTRL, and ALT), RepeatKeys (permits adjusting of both the amount of time a key is held down before it starts to repeat and the key repeat rate), SlowKeys (permits specification of how long a key must be held down before it is registered by the computer), MouseKeys (provides emulation of mouse functions from the keyboard keypad), ToggleKeys (provides tones representing the status of the Caps Lock, Scroll Lock, and Num Lock keys), and SerialKeys (permits communication aids to be used as computer input devices).

The Access Pack can be downloaded from Microsoft OnLine, CompuServe, or GEnie, or may be ordered from Microsoft at (206) 637-7098.



Product Name: AccessDOS

Vendor: IBM Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: Free

AccessDOS is a software program which provides keyboard modifications. StickyKeys allows the user to press each key separately when performing a multiple key operation. MouseKeys enables the numeric pad to emulate the mouse. RepeatKeys controls how fast keys repeat when they are held down (or turns repeat off); SlowKeys determines how long a key must be held down before it is activated. BounceKeys prevents double characters from being typed when a key is accidentally hit when releasing or pressing it. SerialKeys controls the keyboard and mouse functions using a special input device (extra) attached to the serial port. ToggleKeys uses a "beep" to indicate when the Caps Lock, Num Lock, or Scroll Lock have been activated. ShowSounds displays a small musical note or blinks the screen when the computer makes a sound.

AccessDOS is compatible with IBM computers. The program comes with a user's guide, registration card, one 3.5" disk, and one 5.25" disk. For information on this product contact the IBM Corporation Special Needs Systems; to order the program, call 1-800-426-7282 (in U.S.), 1-800-465-1234 (in Canada), 112-800-465-1234 (in British Columbia), and 1-414-633-8108 (in Alaska).

Product Name: Articulating Drawers

Vendor: AliMed Inc.

Computer: All (Hardware Independent)

Cost: $159.95 - 169.95

The Articulating Drawer is a plastic molded tray designed to hold a keyboard and mouse. The drawer is mounted on ball bearings and can be extended up to fifteen inches from its housing. The keyboard can be left in the drawer at all times.

Articulating Drawers are available in two models. The Extended Drawer ($169.95) can be raised or lowered up to five inches. This drawer model is pulled in and out of a metal housing; the user's computer is placed on top of the housing. The Underdesk Drawer ($159.95) is mounted under the desk top. This second model allows the user to store the keyboard under the desktop when it is not in use.

Product Name: AutoKey 20/20

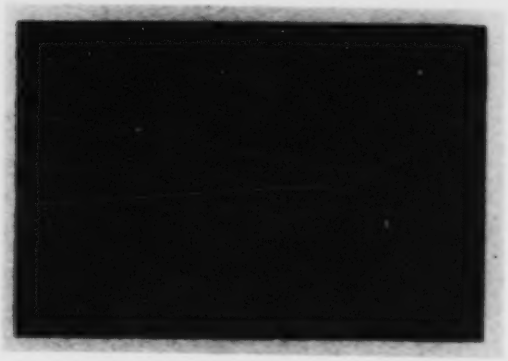
Vendor: Mextel Inc.

Computer: IBM PC Family

Cost: $139.00 - $289.00

AutoKey 20/20 is a twenty key add-on keyboard for the IBM standard keyboard. The keys are labled M1 through M20 and act as extra programmable function keys. By using the "select", "prog", and "menu" keys at the end of the add-on, each extra key can also become a menu of twenty sets of twenty macros. AutoKey 20/20 features a protection function so that macros can not be inadvertently written over. The product comes with a blank flip-down legend for the keys as well.

AutoKey 20/20 is sold for $289.00; another model, the AutoKey 40, provides fourty extra macros for $139.00.



Product Name: Blank-Out Keytops

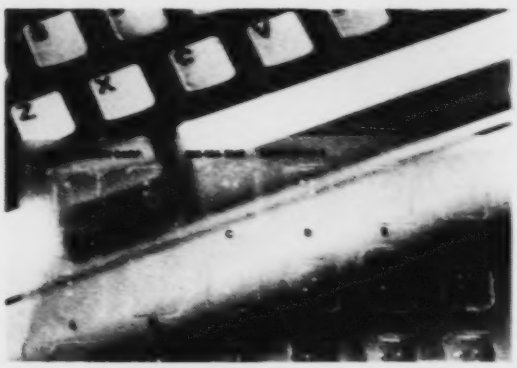
Vendor: Hooleon Corporation

Computer: Apple IIc, Apple IIe, Apple Macintosh Family, IBM PC Family

Cost: $21.95

Blank-Out Keytops are designed to obscure keytop legends where use of specific keys is being discouraged. The kits contain 99 opaque adhesive labels.

Four kits are available: one for IBM, one for Apple IIc, one for DEC, and one for Apple IIe and Macintosh.



Product Name: Braille Keytop Labels

Vendor: Hooleon Corporation

Computer: IBM PC Family

Cost: $16.95

Braille Keytop Labels are kits of transparent adhesive labels with braille symbols on them. The labels can be stuck to keytops to allow for tactile recognition of keys. They are designed to fit IBM PC and look-alike keyboards.

Quantity discounts are available on Braille Keytop Labels.

Product Name: Brailled Keyboard Overlay for the Apple IIGS

Vendor: American Printing House for the Blind (APH)

Computer: Apple IIGS

Cost: Contact manufacturer

The Brailled Keyboard Overlay for the Apple IIGS is a molded plastic cover with braille symbols that fits over the computer keyboard. The cover provides braille symbols for every key on the keyboard. The shape of each key and the appropriate braille symbol are raised for easy tactile recognition.

Product Name: Carpal-Eez

Vendor: ViziFlex Seels, Inc.

Computer: All (Hardware Independent)

Cost: $32.95

Carpal-Eez is a wrist support for a standard computer keyboard. The support fits against the lower edge of the keyboard and extends partially under the keyboard to elevate it. The support can lift the lower edge of the keyboard to three different heights. On each end of the support, Carpal-Eez has a storage area for pencils and pens.

Product Name: Combination Braille/Large Print Keytop Labels

Vendor: Hooleon Corporation

Computer: IBM PC Family

Cost: $21.95

Combination Braille/Large Print Keytop Labels are adhesive labels with braille symbols and large print characters on them. The labels are designed to be affixed to top of computer keyboard keys for easier recognition of the keys. They are intended for IBM PC and other 101-style keyboards.

Product Name: Compu-Rest Arm Support

Vendor: Flex-Vision

Computer: All (Hardware Independent)

Cost: $159.95

The Compu-Rest Arm Support is a padded articulating arm on which a computer user can rest one wrist. The support provides the user's wrist with support while using a keyboard. The arm attaches to a desk surface and has an adjustable range of motion.

Product Name: Dvorak Computer Keyboard

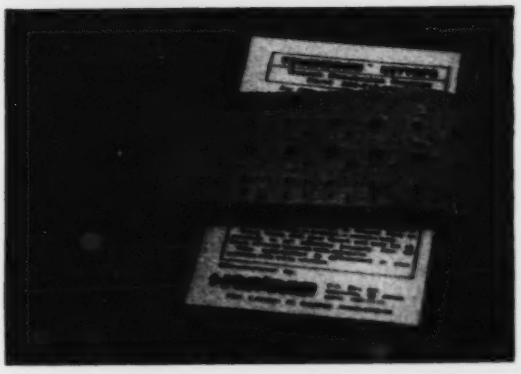
Vendor: Typewriting Institute for the Handicapped

Computer: IBM PC Family, IBM PS/2 Family

Cost: $900.00 - $975.00

Dvorak Computer Keyboard are alternate computer keyboards that function exactly like the standard keyboard but have the keys laid out in the one-hand Dvorak configuration, a system that reduces strain and increases efficiency for a person typing with only one hand. The one-hand Dvorak layout distributes the typing load more evenly for each finger on the one-hand typist's hand than does the standard layout. Right handed and left handed models are available.

Dvorak Keyboards are $900.00 for the IBM PC, XT versions; $975.00 for the IBM AT and PS/2 versions.



Product Name: Dvorak Conversion Keytop Labels

Vendor: Hooleon Corporation

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $26.95

Dvorak Conversion Keytop Labels are labels designed to be placed over a standard set of keyboard keys to reflect the Dvorak ANSI X4.22 keyboard layout. The labels have the Dvorak key legend imprinted in black in the upper left hand corner and the corresponding Qwerty key legend in smaller red lettering in the lower right hand corner. Included are options that account for the placement of brackets and symbols that may vary according to the conversion software used.

Two versions are available: one for IBM keyboards and one for Apple II and Macintosh keyboards.

Product Name: E Z Keys

Vendor: Words+, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual

Cost: $1,395.00

E Z Keys is a RAM-resident program that provides four main categories of assistance to users of standard keyboards. The categories are: complete keyboard control, dual word prediction, abbreviation expansion, and speech output. Keyboard control includes adjustable accept time and repeat rate, as well as the ability to press key combinations in sequence rather than simultaneously. The dual word prediction and abbreviation expansion features reduce the number of keystrokes needed to generate text, and word endings may be added automatically. A 5,000 word vocabulary is included. Voice output can be generated at any time using most serial port text-to-speech voice synthesizers (extra) or SmoothTalker (extra). Since E Z Keys runs transparently, all features are available at all times while standard software is being run. The program is menu-driven and includes on-line context-sensitive help features and a full-screen exception table. Included with E Z Keys is the Bank Street Writer word processor.

The E Z Keys software comes with voice output. Contact manufacturer for information on environmental control capability.

Product Name: Easy Access

Vendor: Apple Computer, Inc.

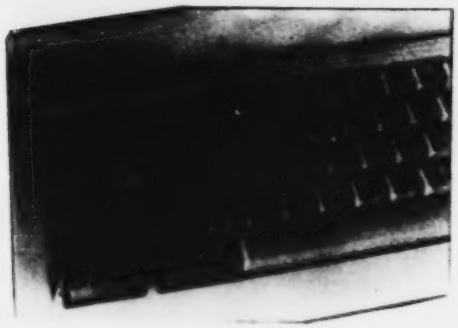
Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: Sold bundled only

Easy Access is a set of utilities built into the Apple Macintosh operating system that allow the user to modify the operation of the keyboard and mouse. The Easy Access features are provided with the operating system at no additional cost. StickyKeys is a feature that allows single-finger operation of the keyboard. With StickyKeys turned on, the "modifier" keys (such as SHIFT) can be pressed before the key they modify, rather than at the same time. Pressing the modifier key once modifies the next keystroke only; pressing it twice locks it on until it is turned off by being pressed again. Multiple modifier key sequences (like SHIFT-OPTION) can be executed using StickyKeys. MouseKeys is a feature that allows the keys on the numeric keypad to be used in place of the mouse. SlowKeys is a utility that allows the user to adjust response rate of the keyboard.

Easy Access is included in operating systems 4.1 and above.



Product Name: Enlarged Alpha & Numeric Keytops

Vendor: Hooleon Corporation

Computer: IBM PC Family

Cost: $21.95

Enlarged Alpha & Numeric Keytops are large-print labels that can be placed on computer keys. These Keytops are designed to fit IBM-PC and compatible keyboards, and have letters printed in 38 point type rather than the standard 18 point type. The 14 point numeric symbols are enlarged to 32 point type. These Keytops are available in black on white or white on black.

Quantity discounts are available. A set including a keytop for every keyboard key is available for $26.95.

Product Name: Expanded Keyboard Emulator

Vendor: Words+, Inc.

Computer: IBM PC Family

Cost: $695.00 - $1,395.00

Expanded Keyboard Emulator is a software program for configuring alternative keyboards and providing typing acceleration methods. The program may be used to change key size, set acceptance time and repeat rate, and control keyboard arrangement. The acceleration methods are word prediction (up to six words beginning with the letter(s) typed appear on the screen; the user may then press the number next to the desired word to have the entire word typed), automatic word endings (one of ten common word endings, such as "ing" and "s", may be selected; spelling will then automatically be adjusted so that "swim" and "ing" become "swimming"), and abbreviation expansion (commonly used phrases may be coded as abbreviations, so that typing "tyfyl" will send "Thank you for your letter" to the screen; any key may be programmed to be equivalent to a word, phrase, or command). An additional feature permits automatic correct spacing before and after punctuation. The Bank Street Writer word processor is included.

The Expanded Keyboard Emulator is $695.00. Expanded Keyboard Emulator/Voice (speech synthesis hardware not included) is $1,395.00.

Product Name: Filch

Vendor: Kinetic Designs, Inc.

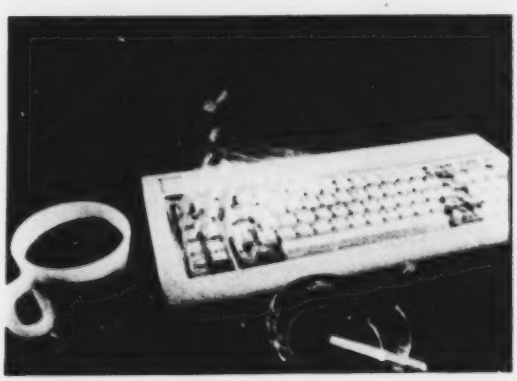
Computer: Atari ST Family, Commodore Amiga, Datavue Spark, Grid, IBM PC Family, IBM PS/2 Family, NEC (some or all models), Toshiba Laptops

Manual Form: Electronic Manual, Printed Manual

Cost: $89.00 - $130.00

Filch is a program that alters some of the ways that keys function on an IBM-PC. First, Filch alters the auto-repeat function of all keys on the keyboard. In order to accommodate circumstances in which the user desires the auto-repeat to operate (such as cursor movement), the repeat rate can also be toggled from a user-specified slow speed to the standard speed, with a single keystroke. The delay may be set at up to 13.2 seconds. Second, Filch makes the CONTROL, ALT, and right SHIFT keys into toggles, permitting one-finger operation. These keys may be latching, may latch until the release of the next non-shift key pressed, neither, or both. Filch also allows audio and visual feedback to indicate operation. Macro capability (which permits complex commands to be executed with minimal keystrokes) is also included.

Filch will operate with any program that does not also tamper with the BIOS (keyboard interpretation program) of the PC as long as the keyboard interrupts are shared. It will not work with Microsoft Windows. Version 2.2. is $89.00 and Version 3.0 is $130.00. "Evaluate," a program for evaluating a person's keyboarding abilities, is included free with the purchase of Filch (see separate entry for Evaluate).



Product Name: FlexShield Keyboard Protectors

Vendor: Hooleon Corporation

Computer: All (Hardware Independent)

Cost: $18.95

FlexShield Keyboard Protectors are clear, flexible plastic covers that fit over a keyboard and protect the board from dirt, dust or liquids while allowing unrestricted use of the keyboard. Alternative keyboard labels can be stuck on the protector's surface, allowing the user to change labels on any keys simply by changing the protector.

FlexShield Keyboard Protectors are available for a wide variety of computers. Custom FlexShields can be made to the user's specifications.

Product Name: Half-QWERTY One-handed Keyboard Software

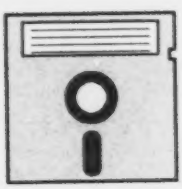
Vendor: Matias Corporation

Computer: Apple Macintosh Family, IBM PC Family

Cost: $84.95

The Half-QWERTY One-handed Keyboard Software is a program designed to remap the computer keyboard so that the user can touch type using one hand. The standard keyboard arrangement is divided in half. On either side of the keyboard, keys may be used to type the keys which normally appear there or the keys usually on the other side of the keyboard. The keyboard halves are set up in mirror image so that QWERT is one half and YUIOP is the other. The space bar is used to alternate and flip the two in mirror image. The program also has a sticky key feature which allows for modified use of function keys. The program does not interfere with standard two-handed typing.

This program is compatible with Macintosh and IBM computers. A free demo disk is available upon request from the manufacturer.



Product Name: Handi-Keys

Vendor: McCuiston, Ronald S.

Computer: TRS-80 Model II

Manual Form: Printed Manual

Cost: $40.00

Handi-Keys allows the user to redefine the standard QWERTY computer keyboard to suit individual needs. Handi-Keys consists of two BASIC programs. One of the programs redefines the keyboard to the user's specifications. The other program available accepts any text as input and gives statistical analysis of keystrokes as output.

Product Name: HandiKEY and HandiKEY Deluxe

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family, ITT, NEC (some or all models), TRS-80 Model 100, TRS-80 Model 200, Tandy 1000, Toshiba Laptops

Cost: $395.00 - $495.00

HandiKEY is a software program that permits selection of desired letters or phrases (from one to 2,000 characters in length) from a user-definable matrix of cells, using a single key interface (single key, mouse, joystick, digitizer tablet, trackball, or switch). Standard matrices, including ones for the PC keyboard, DOS commands, and the numeric keypad, are included; these may be used as they are or modified, or new matrices may be created. The user activates the single key interface when the scanning cursor reaches the desired row in the matrix. The interface is then released when the desired cell is highlighted. HandiKEY will then send the contents of the cell to the application program on the PC.

A LEARN facility is included. HandiKEY may be controlled via any key on the PC keyboard, a mouse, a digitizer pad, or any single switch. HandiKEY is $395.00, including one connector. HandiKEY Deluxe includes speech output capabilities (compatible with DECtalk, Votrax, Echo, or Computalker speech synthesizers), an HW-005 connector, and an additional port connector of choice ($495.00). HandiKEY Deluxe works with the Headmaster (see entry) and can be configured to provide auditory scanning.

Product Name: HandiSHIFT

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family, ITT, NEC (some or all models), TRS-80 Model 100, TRS-80 Model 200, Tandy 1000, Toshiba Laptops

Cost: $49.00

HandiSHIFT is a software program that permits one-finger typists or headstick and mouthstick users to access keystrokes that require depression of more than one key at a time. HandiSHIFT provides three modes: one that affects only the character typed immediately after the Shift key is depressed, and two that work as a shift lock (one for the right hand Shift key and one for the left hand Shift key). All modes provide an optional visual shift state indicator, permitting the user to monitor the state of the shift keys. A single depression of the shift key will cause only the immediately following character to be shifted, two depressions of the key will initiate shift lock, and three will deactivate HandiSHIFT. The program also has a "key-click" feedback option so that the user can tell when keys have been activated.

Product Name: HandiWORD and HandiWORD Deluxe

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family, ITT, NEC (some or all models), TRS-80 Model 100, TRS-80 Model 200, Tandy 1000, Toshiba Laptops

Cost: $295.00 - $395.00

HandiWORD is a word prediction computer program that works transparently with most application programs. An on-line dictionary is provided with HandiWORD. As a user types individual letters, words from the dictionary that begin with those letters appear; the user may then directly choose the desired word, saving on the number of keystrokes required to type the word. HandiWORD records the frequency with which individual words are chosen and "learns" to predict words according to this frequency. Words may be added to or erased from the dictionary by the user, and word prediction libraries may be created for specific applications. The word prediction line may be set to appear on any line on the computer screen or in a box next to the cursor.

HandiWORD is $295.00. It is available in DOS or Microsoft Windows version. HandiWORD Deluxe ($395.00) includes translation from English to French and French to English, and a natural language dictionary for French. Capability for handling Spanish, German, and Italian is planned; dictionaries for these languages are currently included. All versions include HandiSHIFT features (see entry).

Product Name: Help U Type

Vendor: World Communications

Computer: Block Transfer Terminals, IBM PC Family, IBM PS/2 Family

Cost: $395.00 - $595.00

Help U Type is a computer program that simplifies use of standard programs by one-finger, headstick, mouthstick, and keyguard typists. Features include a word prediction menu with user-definable dictionaries, "sticky key" capability to enable the SHIFT, ALT, and CTRL keys to be pressed sequentially before the keys they affect, repeat key rate control, and user-defined macros to program often-used words and phrases for retrieval. The word prediction and macro features can be used in combination.

Help U Type ($395.00) runs transparently with most IBM software. A free demo disk is available from the manufacturer. Two optional versions are also available: one is for IBM PC computers that emulate IBM 3270-type terminals ($495.00) and the other version works with Windows 3.0 ($395.00); these versions contain all features except macro capabilities. A free demo disk is available.

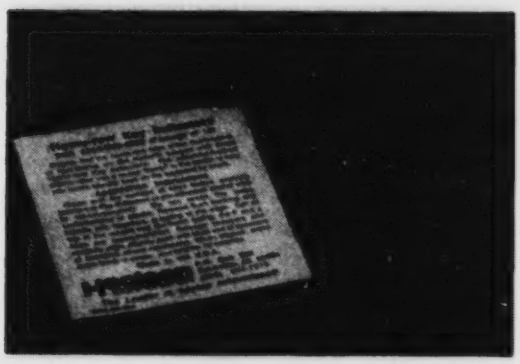
Product Name: High Dots

Vendor: Exceptional Teaching Aids

Computer: All (Hardware Independent)

Cost: $6.75

High Dots are spongy, adhesive-backed dots that can be attached to computer keyboard keys, providing tactual reference points. Each packet of dots includes 112 small dots, 48 medium dots, and 32 large dots; the largest dots are slightly smaller than a dime.



Product Name: Home-Row Key Indicators

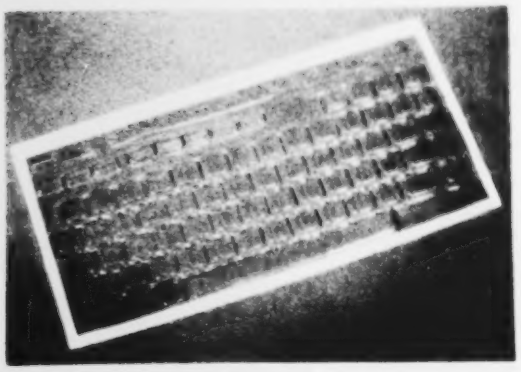
Vendor: Hooleon Corporation

Computer: All (Hardware Independent)

Cost: $4.95

Home-Row Key Indicators are small adhesive-backed labels that can be attached to home row or any appropriate keys. A raised bump in the center of the indicators serves as a tactile guide for placing the fingers.

Home-row Key Indicators come in packages of twelve for $4.95. A package of 50 is available for $18.95; a package of 100 is available for $32.95.



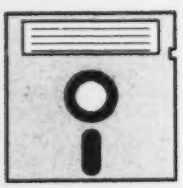
Product Name: HX-20 Protective Cover

Vendor: Adaptive Communication Systems Technologies

Computer: Epson HX-20

Cost: $105.00

The HX-20 Protective Cover is a clear plastic keyboard cover designed for the RealVoice. The Protective Cover prevents moisture from entering the computer through the keyboard, and does not interfere with the normal operation of the keyboard. The cover fits the Epson HX-20 portable computer and most communication aids based on that computer.



Product Name: KeyAbility

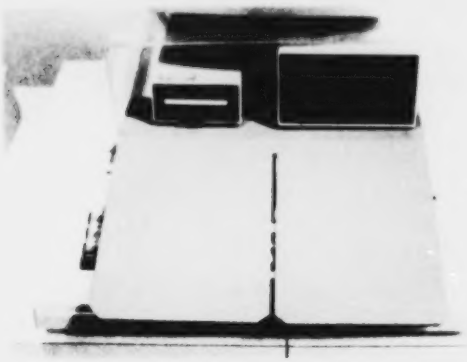
Vendor: Meeting the Challenge

Computer: IBM PC Family

Cost: $98.00

KeyAbility is an software application that allows a standard IBM computer keyboard to be remapped as either a right- or left-handed Dvorak keyboard. The application has a one-finger mode which enables the user to execute certain functions by pressing keys one at a time rather than simultaneously. KeyAbility also features a pop-up menu for program options and "hot keys" which provide direct access to all program options. At the DOS prompt, the program provides an optional visual indication when either Dvorak layout is selected.

KeyAbility is a memory resident program and requires DOS 2.1 or higher.



Product Name: Keyboard Covers

Vendor: Toys for Special Children, Inc.

Computer: Apple IIe

Cost: $36.00

Keyboard Covers are a set of hinged plastic plates that go over a standard keyboard. They are designed for use with computer programs which require only one or a few keys to be pressed. Special bumpers are placed on the bottom of each cover over the desired keys. When the cover is struck, the bumpers strike the desired keys. Keyboard Covers are attached to the keyboard with hook-and-loop material, and can be used in one, two, or four striking area configurations.

Product Name: Keyboard Overlays for Apple IIe and IIgs

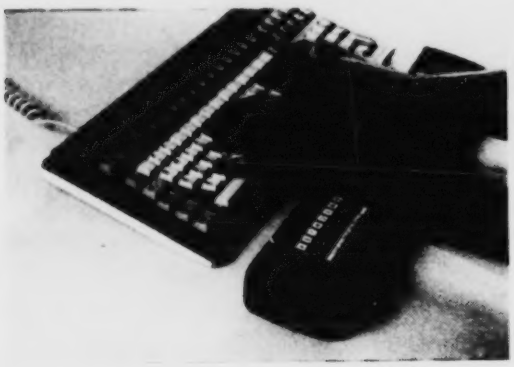
Vendor: Marblesoft

Computer: Apple IIGS, Apple IIe

Cost: $8.00 - $50.00

Keyboard Overlays for the Apple IIe and IIGS are molded flexible plastic strips that cover rows of keys on the computer keyboard, while still allowing the keys to be pressed. The overlays provide a way of temporarily labelling keys with colors, shapes, etc. The overlays can be changed to correspond to different software programs that use different keys.

These Keyboard Overlays were designed for use with Marblesoft's educational software, but are available without labels on them as well. Clear (unlabeled) overlays are $8.00 for the Apple IIe or for the IIGS. Overlays labeled with colors, shapes, numbers or letters are $8.00. A package of seven overlays with labels are $50.00.



Product Name: Keyboard Wrist Rest

Vendor: AliMed Inc.

Computer: All (Hardware Independent)

Cost: $19.95 - $29.95

The Keyboard Wrist Rest is a pad which rests against the lower edge of the keyboard. Keyboard users rest their wrists on the padding which is available in one to two inch heights. The support has a no-skid bottom to prevent the pad from sliding during typing.

The Wrist Rest is available with an Extension Support, a thin sheet of plastic that fits under the keyboard. Attached with Velcro strips to a desktop, the Extension Support allows the user to utilize the Wrist Rest even in a place where there is not enough space for both the Wrist Rest and the keyboard.

Product Name: Keycache

Vendor: OMS Development

Computer: IBM PC Family, IBM PS/2 Family

Cost: $40.00

Keycache is a software program that can accelerate typing rates using word prediction. As the user types, Keycache displays a pop-up window showing words that begin with the letters entered. If the desired word is on the list, the user can complete it by pressing a digit key or by clicking the mouse on the window. Keycache can use multiple vocabulary lists, which can be created with any text editor. The program can also add new words to vocabulary lists automatically. Keycache is memory resident; that is, it runs while another software program is running, so the word prediction can be used in other application software such as a word processor.

An evaluation copy of Keycache is available for $5.00, applicable to the purchase price. Versions are available for DOS and Microsoft Windows; contact manufacturer regarding Windows version.

Product Name: Keyguard

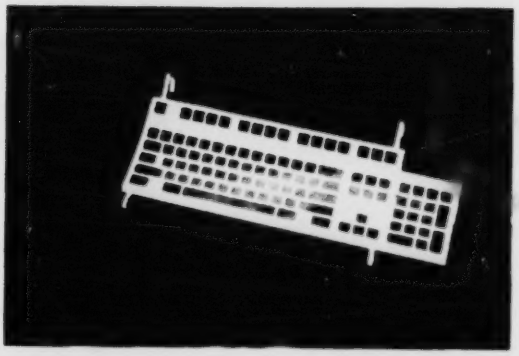
Vendor: ComputAbility Corporation

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Cost: $89.95 - $129.95

This Keyguard is designed for the single finger, mouthstick or headstick typist, preventing unwanted key presses. Clear plastic latching mechanisms are available for the SHIFT and CONTROL keys. This keyguard is available for all Apple II models and the enhanced 101 key IBM keyboard. It attaches to the keyboard with Velcro, and may be removed at any time.

The keyguard is $89.95 for Apple IIc and II+ computers, and $129.95 for Apple IIe and IIGS and IBM computers. Latchdown levers are available for $14.95 each.



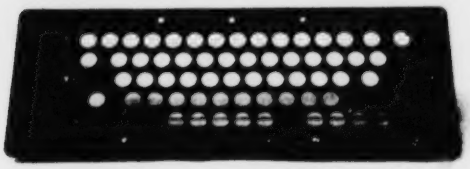
Product Name: KeyGuard

Vendor: IBM Corporation

Computer: IBM PC Family

Cost: $80.00

The Keyguard is a molded plastic overlay for the computer keyboard that has holes for each key. The guard helps to prevent unintentional activation of more than one key at a time. The KeyGuard attaches so that the keyboard can be positioned in any angle.



Product Name: Keyguard

Vendor: Prentke Romich Company

Computer: Apple II Family,
Apple Macintosh Family, Atari Family,
Commodore 64, IBM PC Family,
Texas Instruments TI 99/4A

Cost: $110.00 - $210.00

These keyguards are made of dark brown plastic Kydex and have 0.6"-diameter holes for each key location. The keyguard prevents the user from inadvertently pressing more than one key at a time. These keyguards feature keylocks to hold down keys such as SHIFT that must be depressed at the same time as other keys. The IBM PC model utilizes software rather than keylocks to allow single finger input. Hook-and-loop type fasteners are provided for attaching and detaching from the keyboard. For custom keyguards for computer brands not listed, contact Prentke Romich Company.

Product Name: Keyguard

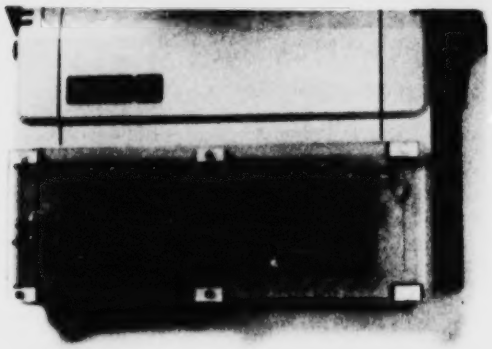
Vendor: TASH, Inc.

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family,
IBM PS/2 Family

Cost: $70.00

These keyguards are metal shields with holes over the key positions which help prevent the unintentional activation of more than one key at a time.

Keyguards are available for IBM, Apple, and Macintosh computers. The Apple IIe and II+ models have spaces for the installation of keylocks (extra; see entry for Keylocks: TASH, Inc.). The keyguards mount with velcro (provided).



Product Name: Keyguards

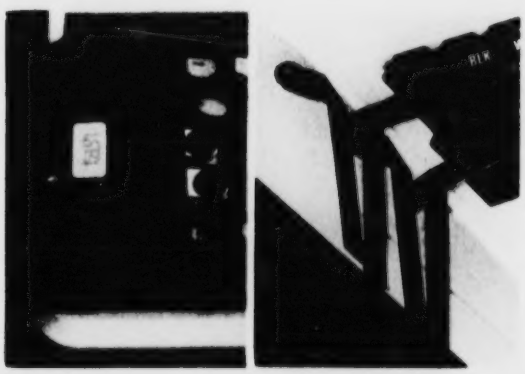
Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIe, Apple Macintosh Plus, Apple Macintosh SE/II

Cost: $100.00 - $150.00

Keyguards promote accuracy in keypressing by single finger, headstick, or mouthstick typists. These keyguards consist of a panel of clear plastic with holes above each key position. For the Apple II models, latching mechanisms are provided to hold down the SHIFT, OPEN-APPLE, and CONTROL keys.

Keyguards are available for the Apple Macintosh Plus and SE ($100.00), Apple IIe and IIe numeric ($135.00), and Apple IIGS ($150.00). The keyguards are easily attached and removed from the keyboard.



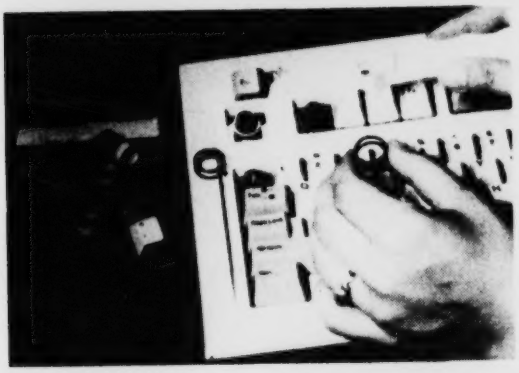
Product Name: Keylocks

Vendor: TASH, Inc.

Computer: Apple II Family

Cost: $65.00

These keylocks fasten to the right side of the keyboard and are used to operate the SHIFT and CONTROL keys. They are engaged by pushing on one side of the levers and released by pushing on the other side.



Product Name: KeyStopper
Vendor: Hooleon Corporation
Computer: IBM PC Family
Cost: $11.95

KeyStopper is a set of hardware designed to make it more difficult or impossible to hit certain designated keys on the keyboard. The set for IBM keyboards consists of four solid rings that can be used to stop a key, and four springs that can be used to require that more pressure be exerted on the key for it to work.

A set consists of eight springs, key puller, and either ivory or gray keytops. Keystoppers may be purchased individually for $.50 a ring.

Product Name: KeyUp
Vendor: Ability Systems Corporation
Computer: IBM PC Family
Manual Form: Electronic Manual, Printed Manual
Cost: $35.00

KeyUp is a software package that modifies the keyboard so that information is sent to the computer only when a key is released, not when it is pressed. This prevents keys from repeating when held down too long. Characters and commands that normally require the CTRL, SHIFT, or ALT keys to be pressed simultaneously with other keys can be generated by pressing the required keys sequentially. Automatic keystroke repeats may be selected when needed.

Product Name: KeyWiz

Vendor: Words+, Inc.

Computer: IBM PC Family

Cost: $695.00

KeyWiz is a computer program that provides a number of access and keystroke-saving features useful to one-finger, headstick, and mouthstick typists. Features include one-finger operation for SHIFT, ALT, and CTRL keys, adjustable acceptance time and repeat rate, optional auditory feedback to indicate if a key has been struck, word prediction based on a 2,000 word dictionary, abbreviation expansion, ten preprogrammed word endings with automatic spelling adjustment (if "s" is selected after "baby," the word is automatically spelled "babies"), and automatic spacing after punctuation.

KeyWiz is essentially a version of E Z Keys (see entry) without the voice capability.

Product Name: Keyworks v. 3.0 and Keyworks Advanced Version

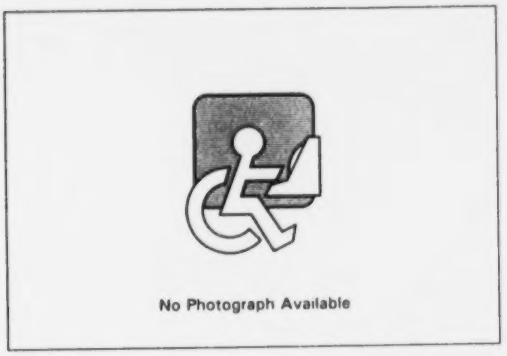
Vendor: Alpha Software

Computer: IBM PC Family

Manual Form: Printed Manual

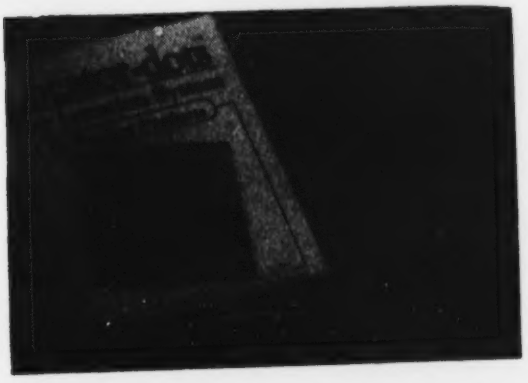
Cost: $99.95 each

Keyworks is a keyboard enhancer program that allows the user to type long strings of characters or commands ("macros") by typing a one or two key combination. Keyworks also offers pop-up menus of available macros, full screen editing of macros while running another program, and a DOS window. Both fixed and variable-length pauses are available within predefined macros. Pop-up menus of available macros may be designed and named by the user. Keywords Advanced Version features screen-reading capability and KPL, a programming language.



Product Name: LAP CAT
Vendor: PC Compatibles
Computer: All (Hardware Independent)
Cost: $39.95

The LAP CAT is a cushioned lap rest for a keyboard. The rest curves around the lower edge of the keyboard to provide wrist support as well as various resting positions for the keyboard.



Product Name: Locator-Dots
Vendor: Prodigy Products Company
Computer: All (Hardware Independent)
Cost: $4.95/two packs of 6

Locator-Dots (formerly Loc-Dots) are adhesive-backed raised dots that can be applied to any keys on any keyboard. They may be used as tactile cues to identify home row keys or other keys as determined by the user. Locator-Dots come in packages of six; two packages are $4.95. A box of 24 packages is available for $34.80.

Product Name: MacKeymeleon II Version 1.0

Vendor: Avenue Software, Inc.

Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $119.95

MacKeymeleon II is a software program that permits the Macintosh keyboard to be reconfigured. Seventeen pre-programmed keyboard layouts come with MacKeymeleon, including layouts for Dvorak, IBM Selectric, and various international language keyboards. These keyboards may be modified, or new layouts may be created from scratch. The Macintosh Key Caps desk accessory reflects the layout being used. MacKeymeleon works with standard keyboard characters and fonts, or with letters and fonts developed using font creation software (extra). Switching between keyboard layouts is possible using the "Keymeleon" menu option.

System 4.1 or higher is required to use MacKeymeleon II.

Product Name: MacQWERTY

Vendor: Nisus Software, Inc.

Computer: Apple Macintosh Family

Cost: $45.00

MacQwerty is a software program that enables the standard Macintosh keyboard to be reconfigured as a Dvorak or custom keyboard. A desk accessory version of the two Dvorak keyboard layouts is included to allow configuration to be changed within most programs. The program can also be used to create a custom keyboard layout. Dvorak and blank keyboard pictures are included on the program disk; keytop overlays are also included.

Product Name: Magic Fingers

Vendor: Words+, Inc.

Computer: IBM PC Family

Cost: $39.95

Magic Fingers is a software program that provides abbreviation expansion. The program runs transparently with standard IBM programs. Users can define abbreviations and expansions so that typing a few keystrokes will produce a full string. For example, "syrs" can be defined as "Sincerely yours," so that when the former string is typed it is automatically replaced with the latter. If an expansion occurs where not wanted, it can be erased and fixed. Additional features include an audible click when a key is pressed, extended keyboard buffers, password lockout, and a screen saver; contact manufacturer for further details.

Product Name: Moisture Guard

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Plus, Apple Macintosh SE/II

Cost: $24.95

Moisture Guards are flexible clear plastic keyboard covers that protect the keyboard from moisture without altering normal keyboard use. The guard attaches to the keyboard with double-sided tape.

Moisture Guards are available for the Apple IIe, IIe numeric keypad, and IIGS, and the Apple Macintosh Plus and SE.

Product Name: NOHOLD

Vendor: Computers to Help People, Inc.

Computer: IBM PC Family

Cost: $12.00

NOHOLD is a keyboard modification software program. It operates under MS-DOS and eliminates the need for the user to depress more than one key at a time. For example, the SHIFT, ALT, and CTRL affect the next key pressed rather than one held down simultaneously.

The program can be turned on or off for different users of the computer.

Product Name: Notebook Computer Wrist Rest

Vendor: AliMed Inc.

Computer:

Cost: $29.97

The Notebook Computer Wrist Rest is a wrist support designed for small notebook size personal computers. The support is foam covered in nylon and comes with a plastic base. The product stands one and one-half inches high and angles the user's hands at 15 degrees.

Product Name: OmniKey Keyboards

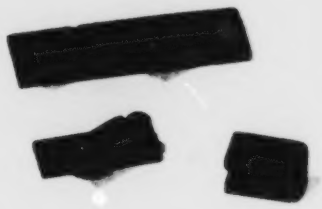
Vendor: Northgate Computer Systems, Inc.

Computer: IBM PC Family

Cost: $89.00 - $129.00

The OmniKey keyboards have standard IBM keyboard capabilities plus several features which allow the user to define the way in which keystrokes are recognized. The keyboards have "sticky key", comma/colon/period lock, variable repeat rate, delay rate, and validation time features. The keyboards are available in standard, right-handed, and left-handed Dvorak layouts; key caps can be used to change the configuration of the keyboard.

The keyboards are available in several different models which have a varying number of function keys. Contact the manufacturer for further information about specific models.



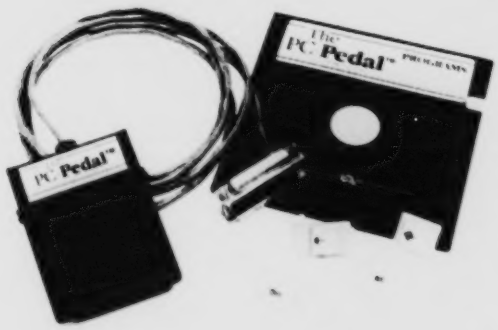
Product Name: On/Off Adaptor Switch

Vendor: Adaptive Communication Systems Technologies

Computer: Epson HX-20

Cost: $15.00

The On/Off Adaptor Switch is designed to allow latching on/off operation of keys which otherwise have to be held down while another key is pressed. The switch is available for the SHIFT, CONTROL, and GRAPHICS keys on the Epson HX-20 portable computer, as well as communication aids based on that computer. A power switch extension is also available. Contact manufacturer for details.



Product Name: PC-Pedal

Vendor: Brown & Company, Inc.

Computer: IBM PC Family

Cost: $61.45 - $81.45

PC-Pedal is a single foot-pedal switch interface that duplicates input from any key on the computer's keyboard, permitting one-handed computing. Two versions of software are available: the Standard, which can control the Shift, Alt, or Ctrl keys, and the Enhanced, which can control any desired key. The Standard version may also be used to temporarily redefine the space bar as a backspace-delete key, so that the user does not need to move from the home position to perform this function. To choose which key the pedal will emulate, the user simultaneously presses the pedal and the desired special key. When the pedal is subsequently pressed, it will act as the defined key until it is redefined. Any single switch may be substituted for the pedal, and it may be mounted anywhere convenient. All setup software is included.

PC-Pedal plugs into the standard parallel port of the computer. A printer may then be plugged into the back of the PC-Pedal plug. The Standard version is $61.45 and the Enhanced is $81.45. Versions that substitute an input jack for the pedal are available for $10.00 less per version. Contact manufacturer about other available switch substitutions.

Product Name: PCKey

Vendor: Freelance Communications

Computer: IBM PC Family

Cost: $20.00 - $25.00

PCKey is an IBM PC software package designed to convert the regular keyboard to the Dvorak layouts (including those designed for one-handed typing) or any custom layout desired by the user. This program is available on a 5.25" disk ($20.00) or a 3.5" disk ($25.00).

Product Name: PECK Computer Software

Vendor: Productivity Software International

Computer: IBM PC Family

Cost: $9.95

PECK is a computer program that allows IBM PC computer keyboards to be used by one-finger, mouthstick, or head pointer users. The program allows the SHIFT, ALT, and CTRL keys to be pressed in sequence with the keys they affect, eliminating any need to hold down more than one key at a given time. PECK remains resident in the computer once invoked, and works with most programs written for the IBM PC.

PECK can be obtained by sending $9.95 (includes postage) or a blank disk and sufficient return mail postage ($2.00 recommended). The program is also included as part of Productivity Software International's PRD+ (Productivity Plus) product line (see entry).

No Photograph Available

Product Name: Plastic Keyboard Cover

Vendor: Weil, Glenn

Computer: All (Hardware Independent)

Cost: $75.00 - $195.00

The Plastic Keyboard Cover is a keyguard for computer keyboards or typewriters. Holes in the plastic cover are positioned over desired input keys. Each cover is custom designed and can be full or half size. Each keyboard must be custom fitted, contact manufacturer for details.

Product Name: PolyWrist-Wrest
Vendor: PolyWrist-Wrest Company
Computer: All (Hardware Independent)
Cost: $9.95

The Poly Wrist-Wrest is a cushioned support for keyboard users. The support is placed around the edge of the surface upon which the keyboard sits. As users rest their wrists on the support, their hands are kept in correct typing position.

Product Name: PowerPad Keyguard
Vendor: Dunamis, Inc.
Computer:
Cost: $69.95

PowerPad Keyguard is a plexiglass keyguard for the PowerPad (see entry). The keyguard has 128 keyholes and attaches with Velcro directly above the surface of the PowerPad. The user activates the PowerPad by pressing through any of the keyholes, reducing the number of unwanted keystrokes.

Product Name: PRD+ (Productivity Plus) Basic Edition

Vendor: Productivity Software International

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $479.95

PRD+ (Productivity Plus) Basic Edition is a menu-driven abbreviation/expansion program. The user types a short set of characters (the abbreviation), and, when the space bar, Enter or a punctuation key is pressed, a longer set of characters (the expansion) is triggered. PRD+ functions "transparently" with almost all other DOS applications. Abbreviations can be up to eight characters long; expansions can be up to 4,000 characters. PRD+ features Auto-Abbreviation, Case-Sensitive Capitalization, and Automatic Suffix-Selection functions.

Product Name: Prefix

Vendor: Sigea Systems, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual

Cost: Contact manufacturer

Prefix is a program that allows keys such as CTRL, ALT, and SHIFT to be pressed independently of other keys; if another key is pressed after one of these keys, the effect will be the same as if both keys had been held down simultaneously.

Prefix is routinely distributed with other Sigea disks, or may be ordered separately. Duplication and distribution of Prefix is encouraged by Sigea.

Product Name: ProKey For DOS
Vendor: CE Software, Inc.
Computer: IBM PC Family
Manual Form: Printed Manual
Cost: $99.00

ProKey is a keyboard enhancement program that allows the user to type long character strings or groups of commands ("macros") by entering a two-keystroke combination, such as ALT-A. ProKey allows the user to include fixed or variable-length pauses in macros. Up to 300 macros may be defined, storing a total of 30,000 characters. Macros are called up by a multiple character name, and may be created and edited while another program is running. Program includes a one-key feature for single-finger operation of SHIFT, ALT, and CONTROL keys. ProKey also contains features such as menus, display messages, cut and paste, abbreviations, history, event scheduling, multiple key playback, and alarm.

Two versions of ProKey are available. One version is available for use with Microsoft Windows, another version is for standard DOS operations.

Product Name: QuicKeys
Vendor: CE Software, Inc.
Computer: Apple Macintosh Family
Manual Form: Printed Manual
Cost: $149.00

QuicKeys for the Apple Macintosh allows the user to customize keys so that complicated functions can be performed with a single keystroke. The number of keys that can be customized is limited only by the amount of disk space. After the program has been installed, it can be accessed from the Control Panel. QuicKeys can emulate all mouse functions. Other features include "smart" sequences which permit complicated procedures to be recorded and recalled, and Real Time Recording which can be used to "teach" the program to perform routine tasks on the Mac.

A Mac Plus or later model, with 1 Mb of RAM running System 6.04 is the minimum required configuration to run QuicKeys. A hard drive is required.

Product Name: Reinforced Keyguard

Vendor: Adaptive Communication Systems Technologies

Computer: Epson HX-20

Cost: $125.00

The Reinforced Keyguard is designed for the keyboard of the Epson HX-20 computer. It is designed to prevent the single finger, mouthstick, or headstick typist from making accidental key presses. The keyboard configuration will work with Adaptive Communication Systems' various communication aids based on the Epson HX-20 as well.

Product Name: Repeat Defeat

Vendor: Life Science Associates

Computer: Apple II+, Apple IIe

Cost: $34.95

Repeat Defeat is a integrated circuit socket that turns off the auto-repeat function of an Apple IIe keyboard. Repeat Defeat plugs into an existing chip's socket (8343); the chip then plugs into Repeat Defeat. Repeat Defeat can be installed by an average user (instructions are included), and comes with an on/off switch that can be mounted outside the computer's housing, so that normal keyboard operation for typing is possible.

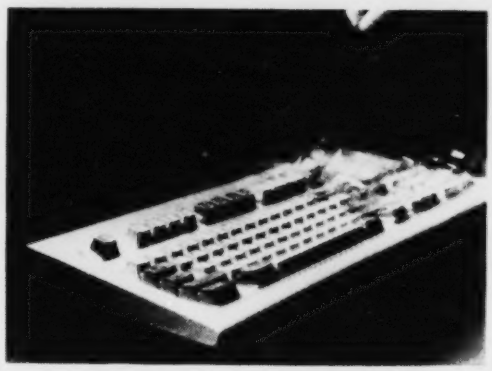
Product Name: Roll & Slide Keyboard Wrist Support

Vendor: Ability Center of Greater Toledo

Computer: All (Hardware Independent)

Cost: $120.00

The Roll & Slide Keyboard Wrist Support is a free standing, cushioned aid for keyboard users. The support rests on the same surface as the keyboard and is placed between the user and the keyboard. Two aluminum shafts are attached to non-slip end blocks. Each shaft has two cylindrical foam pads upon which the user's forearms are rested. The pads roll backward and forward as well as side to side as the user types on the keyboard. The support adjusts to two different positions.



Product Name: SafeSkin Keyboard Protector

Vendor: Merritt Computer Products, Inc.

Computer: All (Hardware Independent)

Cost: $29.95

SafeSkin Keyboard Protectors prevent damage to the keyboard resulting from liquid spills, foreign matter and other hazards. SafeSkin is precision molded to fit the exact contours of the keyboard and is virtually transparent, making keytops and any side markings clearly visible. It remains in place during keyboard use.

SafeSkin is currently available for over 900 computer models. Custom covers are also available. Contact the manufacturer for a full listing.

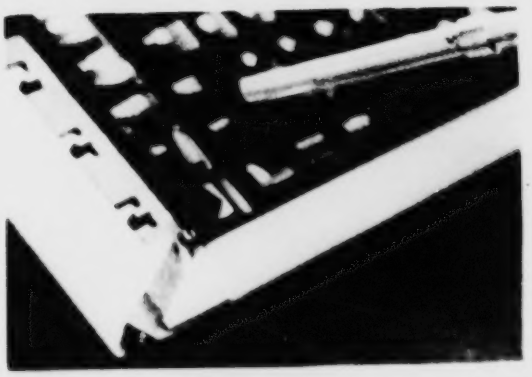
Product Name: SARA Keys

Vendor: SARA Systems, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: $49.95

SARA Keys is a keyboard modification software program designed to reduce movement of fingers and hands during typing by using a different key layout. The SARA layout equalizes the work load for individual fingers and both hands by using NSTRLOIEAH for the home row. The program is loaded onto the user's hard drive so that the user may switch between SARA and any other keyboard layout.



Product Name: Stick-On Keylocks

Vendor: Extensions for Independence

Computer: All (Hardware Independent)

Cost: $16.00 - $19.00

Stick-On Keylocks are levers that stick to the side of a computer keyboard and can be used to lock down keys (such as CONTROL) that frequently must be pressed at the same time as another key. The locks can be operated by a light touch with a pointing device such as a mouthstick.

Stick-On Keylocks are available in two models: Standard (fits most Apples, and ALT keys on IBMs) for $16.00 and Spring Loaded Keylocks for $19.00. Custom keylocks are also available; contact manufacturer for details.

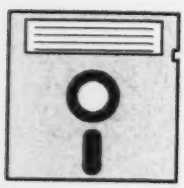
Product Name: Stickey

Vendor: C-CAD (Center for Computer Assistance to the Disabled)

Computer: IBM PC Family

Cost: Free

Stickey is a keyboard modification software program designed to help one-finger and mouthstick typists execute function commands which require keys to be pressed simultaneously. The program enables the user to depress keys such as SHIFT, CONTROL, and ALT one at a time instead of at the same time. Stickey is memory resident and IBM compatible.



Product Name: SuperKey

Vendor: Borland International

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $99.95

SuperKey is a keyboard enhancement program for the IBM-PC. SuperKey allows the user to store several frequently-used commands or long phrases (macros) and to retrieve them with two keystrokes. SuperKey also allows the user to cut and paste text between applications programs, and create single-page help screens for each set of macros created. The user may include fixed or variable-length pauses in macros. SuperKey will also turn off the screen if the keyboard is not touched for a user-specified time.

Product Name: Tempo II Plus

Vendor: Affinity Micro Systems, LTD

Computer: Apple Macintosh Family

Manual Form:

Cost: $179.00

Tempo II Plus is a software program that allows the user to create "macros": short sets of characters (abbreviations) that trigger longer strings of characters (letters, numbers, commands, etc.). The user can program over 500 macros for each application program, and the length of the macros is only limited by the amount of memory the user wishes to consume. Any chain of commands or text can be linked together, and macros can also contain pauses of various lengths. Mouse movements can also be "recorded" as part of a macro. Tempo is a "chordic" macro program; that is, the abbreviations require that the user press more than one key at a time (COMMAND or OPTION plus another key). Tempo Plus also features externals (small programs which perform special operations like playing sound files), a viewer (allows viewing of any macros as a step by step list), and a menu which lists macros.

Tempo II Plus is compatible with System 6 or 7.

Product Name: TimeOut UltraMacros

Vendor: Quality Computers

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $40.00

TimeOut UltraMacros is a program that allows the user to access built-in commands and macros (strings of frequently used phrases or commands that can be accessed using only one or two keystrokes) or to program sequences of keystrokes as macros. The preset macros include programming commands and commands to initiate alarms at specified times. A compiler is incorporated for use in programming. UltraMacros also includes a screen saver that blanks the screen if no keys have been pressed for a period of time, a key-lock feature that allows the SHIFT, CTRL, and ALT keys to be pressed in sequence with other keys instead of simultaneously with them, and a Mouse Control option that allows mouse functions to be controlled from the keyboard.

Product Name: Uni-Key

Vendor: National Institute for Rehabilitation Engineering

Computer: IBM PC Family

Manual Form:

Cost: $35.00

Uni-Key is a memory-resident program that modifies the keyboard so that keys can be hit in sequence instead of being held down simultaneously. With Uni-Key installed, the typist may press SHIFT, CTRL, or ALT, and then press the desired letter, number, or function key. The program also includes a "repeat slow" feature.

Two versions of the program--one for IBM PC and XT computers, the other for IBM PC AT computers--are included on the disk. The $35.00 purchase price may be considered as a year's membership dues to the National Institute of Rehabilitation Engineering.

Product Name: ViziFlex Seels

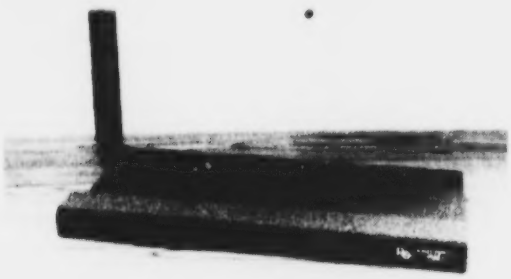
Vendor: ViziFlex Seels, Inc.

Computer: All (Hardware Independent)

Cost: $29.95

Viziflex Seels are plastic protective covers for computer keyboards. The transparent plastic covers are designed to remain in place during keyboard use. The covers are placed directly over the keyboard and protect the keys from liquids and dust.

Viziflex Seels are available for almost all keyboard configurations.



Product Name: WRIST PERCH

Vendor: PC Compatibles

Computer: All (Hardware Independent)

Cost: $19.95

The WRIST PERCH is a non-skid, cushioned pad designed to support a keyboard on a desktop. One edge of this pad curves around the lower edge of the keyboard and provides wrist support during typing.

Product Name: ZoomCaps

Vendor: Meeting the Challenge

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $9.95

ZoomCaps are large print keytop labels which affix to the keys of either IBM or Apple computer keyboards. The labels are available in white or black letters. There are ninety labels per set.

Chapter 11

Alternate Inputs Usable with All Software

This chapter includes alternate input systems which provide transparent access to a computer. "Alternate input" refers to a special or adapted device used as an alternative to the computer's standard input devices, including not only keyboards but also joysticks, mice, etc. "Transparent" means that the special input device can perform any operation that its standard equivalent can perform. For example a transparent alternate keyboard would have all the keys included on the standard keyboard, and could operate any keyboard-based software written for that computer. This chapter also includes optical character recognition (OCR) reading systems.

The chapter title is not meant to indicate that these alternate inputs will operate any and all software, only that they are designed to be equivalent to a standard input device. An alternate keyboard, for instance, would not necessarily be able to control software that requires both a keyboard and a mouse. There may also be compatibility problems with particular commercial software. Contact the manufacturer about questions of compatibility. Any input device designed only to operate software written specifically for that device will be listed in Chapter 12.

There are other devices which can serve as alternate inputs to computers. These are cross listed in Index 1, under Alternate Inputs Usable with All Software (TI), and under Alternate Inputs Adaptable for Use with All Software (TW). Related input/output features in Index 2 include most of the categories the begin with the phrase "Input Type."

The following product entries appear in this chapter:

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AFC Access: TouchWindow, *298*
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ALTKEY, *299*
AmTRAC, *300*
Apple Adjustable Keyboard, *300*
Arkenstone Reader, *301*
BallPoint Mouse, *301*
BAT, *302*
Bloorview Miniature Keyboard, *302*
BookWise, *303*
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BUG Voice Command System, *304*
C-500 Control System, *304*
Comfort Keyboard System, *305*
Compuvox, *305*
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DeskScan 3000, *307*
DocuRead Expert, *308*
DragonDictate, *308*
DragonWriter-1000, *309*
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Expanded Keyboard for Apple II+ and IIe, *310*
Expanded Keyboard for Apple Macintosh and Apple IIGS, *311*
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Felix, *316*
FreeWheel Head Pointer System, *316*
FreeWheel II Cordless Optical Head Pointer, *317*
FTG Light Pens, *317*
Full Access Link, *318*
GEWA FTB 108 Enlarged Keyboard, *318*
GEWA METB 121 Reduced Size Keyboard, *319*
HAL (Home Automation Link), *319*
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Handwriter Recognition System, *321*
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Laser Optic Keyboard, *331*
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LipStick and WordWriter, *332*
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Magic Wand Keyboard with McKey Mouse Option, *335*
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MIKE (Mouse Interface & Keyboard Emulation), *336*
Mini Keyboard, *337*
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Mouse Keys, *340*
MousePen, *341*
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Mouth Operated Joystick for Nintendo, *342*
MVP Mouse, *343*
Narwhal Expanded Keyboards for Adaptive Firmware Card, *343*
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Unicorn Membrane Keyboards, *369*
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Voice Express, *371*
Voice Master Key System and Key System II, *371*
Voice Navigator SW and II, *372*
Voicebox, *372*
WiViK (Windows Visual Keyboard), *373*
Zygo TETRAscan II, *373*

The following products from other chapters can also be used as Alternate Inputs Usable with All Software (Transparent Input):

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Braille 'n Speak, *400*
Butler-in-a-Box, *203*
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Liberator, *106*
Light Talker, *106*
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Talking EyePoint Board, *122*
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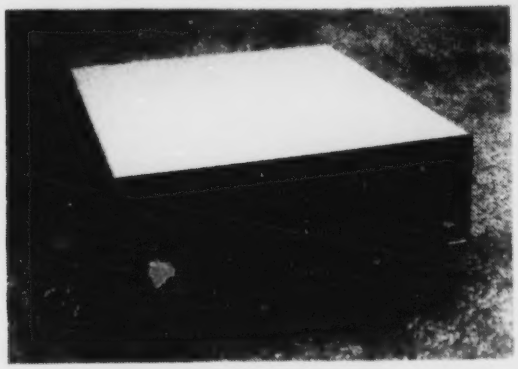
Zygo Model 100, *125*
Zygo scanWRITER, *125*



Product Name: Access-I

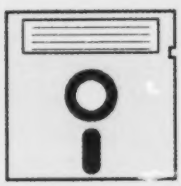
Vendor: WorkLink Innovations

Computer: IBM PC Family

Cost: Contact manufacturer

Access-I is an IBM-AT compatible computer which runs off wheelchair batteries. The computer accepts a variety of input devices including headpointers, puff and sip switches, scanning keyboards, morse code, and mouthsticks (all extra). Access-I can also be used with up to five full length 16 bit adapter cards such as DragonDictate and DECtalk. The computer unit measures 4" x 12" x 14" and uses 1 amp of battery power.

Access-I includes a flip-up LCD screen, small full-function keyboard, one 3.5" floppy drive, 105 MB hard drive, 8MB RAM, MS-DOS 5.0, and a weatherproof bag for storage on the back of a wheelchair. The package can be customized with other options; contact the manufacturer for details.



Product Name: ADAPTA-LAN

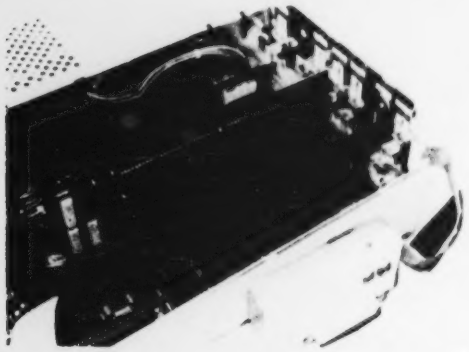
Vendor: Microsystems Software Inc.

Computer: IBM PC Family

Cost: $2,995.00 per server

Adapta-Lan is a set of local area network programs for persons with disabilities. The set includes: MAGic and MAGic Deluxe (screen magnification software), HandiKEY and HandiCODE (software for access without keyboarding), HandiSHIFT and HandiWORD (programs for limited keyboarding ability), HandiCHAT (program for nonspeaking users), HandiPHONE (phone and modem control for physically limited users with hardware at additional cost), and SeeBEEP (visual indicator of computer audio beep for hearing impaired users).

Adapta-Lan is compatible with most networks including Novell, 3Com, and Banyan. Once installed, the system can be accessed by using IBM computers.



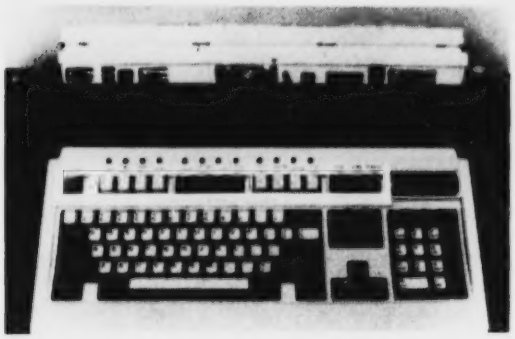
Product Name: Adaptive Firmware Card Model G32e
Vendor: Don Johnston Developmental Equipment
Computer: Apple IIGS, Apple IIe
Cost: $520.00

The Adaptive Firmware Card Model G32e enables various alternative input devices to be plugged into the Apple IIe Enhanced or Apple IIGS computers, so that standard software can be run by people with various disabilities. Alternate input methods supported by the card are alternate keyboards, scanning, assisted keyboards, Morse code, ASCII input, and multiple switch boxes. Standard and talking standard setups are included for each input method; custom setups may be created for use with specific programs. Features include speech feedback for any input method, options for moving the scan line, 20 column scanning, mouse emulation, macros, and a "mini" programming language that allows custom set-ups to be created for particular software. Talking Word Board, an application that may be used to train and assess skills involved in using a talking communication system, is also included.

Product Name: AFC Access: TouchWindow
Vendor: Don Johnston Developmental Equipment
Computer: Apple IIGS, Apple IIe
Cost: Contact manufacturer

AFC Access: TouchWindow is a software program that permits the TouchWindow and Adaptive Firmware Card (extra; see entries) to be used in combination, allowing standard software to be accessed via the TouchWindow. The TouchWindow may be attached to the monitor or used as an alternative keyboard with overlays. Keyboard, mouse, and joystick functions may be emulated with the TouchWindow.

Contact manufacturer for further information about AFC Access: TouchWindow.



Product Name: AID+Me Programmable Keyboard
Vendor: ComputAbility Corporation
Computer: Apple Macintosh Family, IBM PC Family
Cost: $499.00

The AID+Me Programmable Keyboard is a programmable keyboard which features mouse emulation, remapping capability, and alternative input device support. The keyboard has all the functions of a standard keyboard and plugs directly into the keyboard port. It can be remapped to any configuration. The keyboard also provides complete mouse emulation. Any DOS, Microsoft Windows, or UNIX programs can be run using the AID+Me keyboard. Other features include: macro capability, sticky keys, repeat control, and hot keys. LED lights provide visual confirmation of the configuration or modes selected. The keyboard has built-in connectors on the back for alternative input devices; it also supports a speech synthesizer.

Product Name: ALTKEY
Vendor: Baylor Biomedical Services
Computer: IBM PC Family
Cost: $150.00

ALTKEY is a memory resident keyboard emulation program which allows control of most DOS based applications. The user makes menu selections and enters commands using one or two switch input. Morse code may also be used. Input scanning, Morse modes, timing, menus, and codes may be customized for each user.

Product Name: AmTRAC
Vendor: Microspeed Inc.
Computer: Commodore Amiga
Cost: $99.00

AmTRAC is a trackball and three buttons contained in a small case. The user moves the trackball manually to emulate mouse cursor control. The left and right buttons, which surround the trackball, emulate the "click" button on the standard mouse. The center button, located above the trackball, toggles the "drag lock" feature that produces a similar effect to holding down the button on a standard mouse; the drag lock eliminates the requirement that a button be held down. The trackball case has a sloped panel that may be used as a wrist rest.

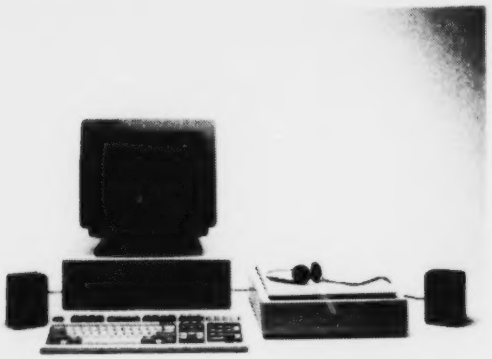
AmTRAC is compatible with Amiga 500, 2000, 2000H, 2500, and 3000 computers.

No Photograph Available

Product Name: Apple Adjustable Keyboard
Vendor: Apple Computer, Inc.
Computer: Apple IIGS, Apple Macintosh Family
Cost: $219.00

Apple Adjustable Keyboard is a keyboard with split sections which can be positioned independently. The keyboard has one section for each hand, and the sections can be tilted. The main foldable keyboard resembles the standard smaller-size Apple keyboard. A separate keypad contains all the extended key functions from the standard larger-size Apple keyboard. The keyboard works with all Apple computers that use the Apple Desktop Bus (the Apple IIgs and all Macintoshes except the Plus or older models).

The Adjustable Keyboard is available through Apple Computer dealers. Locate a dealer in your area for more information or to order.



Product Name: Arkenstone Reader

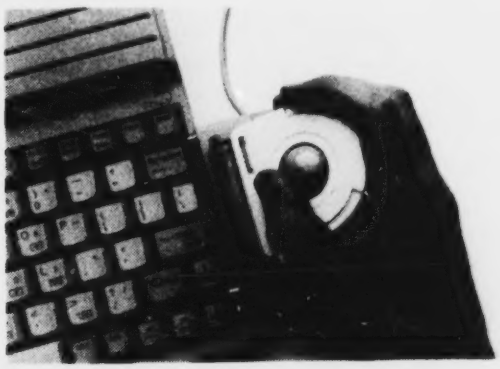
Vendor: Arkenstone, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $4,074.00

The Arkenstone Reader is a reading software and hardware package that converts printed text into a computer text file, which can then be read a speech synthesizer or Braille device. The Arkenstone can recognize typewritten, typeset, laser print, draft-quality dot matrix, and other computer printouts with monospace or proportional fonts sized from 6 to 28 points. The Reader has a reading capability of up to 600 characters per second. Supported formats include: single and multiple columns, variable column widths, tables, lists, paragraphs, and intermixed text and graphics. The software is able to determine if a document is placed upside down or sideways on the reader, and adjust the scanning process accordingly. The Quick Speech feature permits the user to listen to the page while it is being recognized.

The Arkenstone Reader is made up of three components: TrueScan 600 recognition card, a Hewlett-Packard ScanJet IIp, and a scanner interface card. The cost is $4,074.00. The software to run the Reader includes a front-end program called EasyScan; for additional cost DECtalk software is also an available option. All components may also be purchased separately.



Product Name: BallPoint Mouse

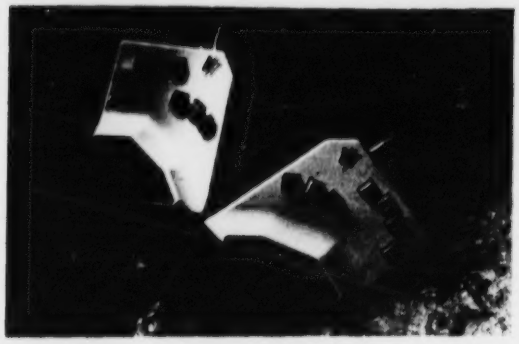
Vendor: Microsoft Corporation

Computer: IBM PS/2 Family

Cost: $175.00

The BallPoint Mouse is a trackball and four button unit which clamps onto a laptop computer keyboard. The unit snaps into a clamp which then can be attached to the side of the keyboard. Moving the trackball manually and pressing combinations of the four buttons provides emulation of a standard mouse.

The BallPoint Mouse fits Compaq, Toshiba, NEC, Zenith, and GRiD families and compatible laptop computers.



Product Name: BAT

Vendor: Infogrip, Inc.

Computer: Apple Macintosh SE/II, IBM PC AT, Unix

Cost: $295.00

The BAT is an alternative input system which emulates all the functions of a standard computer keyboard. The system consists of two seven-key keyboards which are angled and have palm rest indentations. Letters, characters, and symbols are selected by pressing a combination of keys. One or two hands can be used to enter data. The user can assign chords to words, phrases, and macros. The BAT keyboards do not interfere with the use of the standard keyboard and can be positioned anywhere.

Product Name: Bloorview Miniature Keyboard

Vendor: TASH, Inc.

Computer: Apple IIe, IBM PC Family

Cost: $900.00

The Bloorview Miniature Keyboard operates as an alternative keyboard for a personal computer. The keyboard is based on a Sharp 1360 pocket computer and a custom cable. The keyboard connects into the same computer port as a standard keyboard and has all the capabilities of one. Although the smaller keyboard has fewer keys, a "mode method" allows keys to represent two or more other keys. The mini keyboard provides a faint click to indicate when a key has been pressed. This product also has a "mouse mode" which controls the cursor and button functions of a mouse from the keyboard.

Product Name: BookWise

Vendor: Xerox Imaging Systems, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $4,495.00 - $7,295.00

BookWise is a PC-based reading and tutoring system. BookWise scans books or other printed materials, recognizes the characters, and simultaneously displays the text on the computer screen and reads it aloud in synthesized speech. Documents to be read are placed on a scanner and the text is stored on a personal computer. The BookWise software offers several features designed for people who have reading impairments. A visual tracking feature highlights words, phrases or sentences on the computer screen as the synthesized voice is reading them. The user can also at any time hear and see definitions of words, or hear words spelled out or pronounced syllable by syllable. BookWise offers a choice of nine different voices.

BookWise is available in three different packages: (1) Bookwise software with DECtalk speech synthesizer and bookedge scanner; (2) BookWise software with DECtalk and flatbed scanner; (3) BookWise software with DECtalk for those who already have a scanner.

Product Name: Breakthru Box

Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family, Commodore Amiga, IBM PC Family, IBM PS/2 Family

Cost: $475.00 - $575.00

The Breakthru Box is a device that permits some membrane keyboards to be used as computer input devices. The box contains the electronics used in EKEG's stand-alone keyboards, and plugs into the microcomputer keyboard socket. A membrane keyboard which has at least 84 keys (6 x 14 layout) and a plug configured for the Adaptive Firmware Card is then plugged into the box. Examples of suitable keyboards are the Unicorn Board, MemKey Board, and Membrane Keyboard II (see entries). Additional features include audible click and light flash on key activation, and a DIP switch which allows repeat and delay rate adjustment.

Four models are available. BTB 901AM is for Apple IIGS and Macintosh computers ($575.00); BTB 901BX is for IBM PC and XT computers ($475.00); BTB 901BA is for IBM AT and PS/2 computers ($475.00); and BTB 901CA is for Commodore Amiga 2000 computers.

Product Name: BUG Voice Command System

Vendor: Command Corp, Inc.

Computer: IBM PC AT, IBM PS/2 Family, IBM RT PC

Cost: $799.00

The BUG Voice Command System is a speech recognition system for IBM PC-AT and PS/2 computers, and IBM RT workstations. The system consists of speech processing computer built onto an expansion card which fits any 8- or 16-bit slot of a personal computer. The user needs to "voice train" the system to recognize commands; the system can be customized for any application including databases, CAD, and publishing.

The system includes the expansion card, documentation, software, microphone, and starter lexicons for DOS, AutoCAD, and Microstation.

Product Name: C-500 Control System

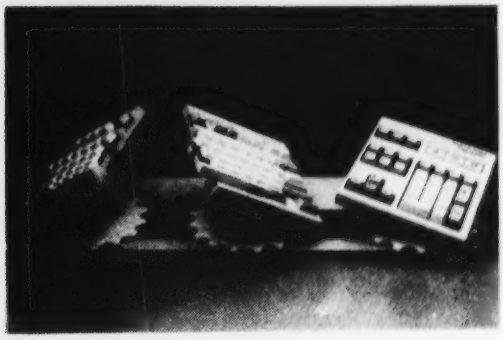
Vendor: Fortress Litestyle

Computer: IBM PC Family

Cost: $1,000.00 - $1,950.00

The C-500 Control System is a wheelchair mounted device which can be used to access the personal computer. Through a joystick or other switch the system will emulate the functions of a mouse in the Microsoft Windows environment. When in mouse emulation mode, the C-500 uses an on-screen keyboard so that the user can input text as well as menu commands. The control unit features an extra port for downloading of software from another computer. The C-500 also acts a remote environmental control unit. The variety of appliances controlled depends upon the receiver unit used; contact manufacturer for details on receivers that can be used with the C-500.

The C-500 is available as a part of Fortress's power wheelchair control systems or separately. The system itself is $1,000.00, additional modules, switches, and options are extra.



Product Name: Comfort Keyboard System

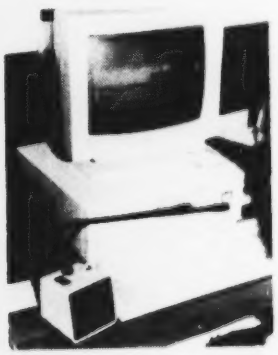
Vendor: Health Care Keyboard Company

Computer: Apple Macintosh Family, IBM PC Family

Cost: $675.00

Comfort Keyboard System is a keyboard with the standard QWERTY arrangement which has been divided into three equal sections. The sections are mounted onto the keyboard base using a Disc Loc universal mounting system. The user can place the sections onto the base in any order. Each section can be raised, lowered, rotated, and tilted independently to suit the user's needs. Once a position is selected the keyboard sections can be "locked" into place by tightening the discs on which the sections are mounted.

Comfort Keyboard System also features arm supports.



Product Name: Compuvox

Vendor: Equal Access Technologies, Inc.

Computer: IBM PC AT

Cost: Contact manufacturer

Compuvox is a voice activated computer system. Data entry, storage, retrieval, and printing are accomplished through speaking commonly used words and numerals. The system consists of a monitor, 286 or 386SX computer with 2MB memory, 40MB disk and 5.25" floppy disk drive, gooseneck microphone and speaker, and a voice card. Compuvox can also perform environmental control functions, including turning lights and appliances on and off and controlling infrared remote control devices such as TVs and VCRs.

Product Name: Concept Keyboard

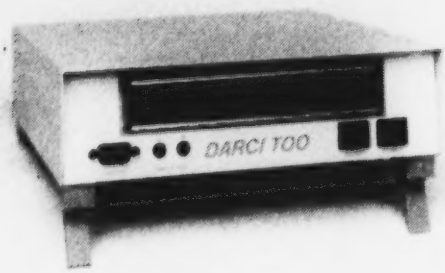
Vendor: Hach Associates

Computer: Apple IIGS, Apple IIe, IBM PC Family

Cost: $495.00 - $1,145.00

The Concept Keyboard is a membrane keyboard for use with Apple IIe, IIc, IIGS, and IBM computers. Features include: one to 256 user-definable key areas, ability to assign up to 128 characters to each key, ability to use another standard or alternative keyboard while the Concept is active, and positive light-touch cells over the entire matrix. Overlays for the unit (included) are 8.5" x 11".

The Concept Keyboard comes with a user manual, overlay manager software, 12 month warranty, interface card (Apple version only), connecting cables, and and five custom overlays for $495.00 (Apple version) or $595.00 (IBM version). A package that includes two keyboards and 10 overlays is available for $865.00 (Apple) or $1,145.00 (IBM).



Product Name: DARCI TOO

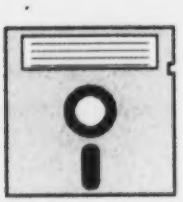
Vendor: WesTest Engineering Corporation

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family, IBM PC Family,
IBM PS/2 Family

Cost: Contact manufacturer

DARCI TOO is an alternative input device for Apple and IBM computers. DARCI TOO plugs into the computer via the standard keyboard and mouse connectors; the keyboard may then be connected to DARCI TOO and used simultaneously. Five operating modes are available: DARCI Code (joystick movement codes developed for the original DARCI), Scanning, Matrix Keyboards, Communication Aid, and Morse Code. In Scan and Morse Code modes, selection is made via single, double, or triple switch, proportional joystick, or video game controller (all extra). A two-row, 40-column display on the unit informs the user of the current input mode and is used to make selections in scan mode. A user programmed vocabulary capability is included; in Scan, Morse Code, or DARCI modes, the user may save keystrokes by selecting words from this vocabulary, or may add words and phrases. The user may also define custom overlays for matrix keyboards. Setup routines, which permit customization, may be saved to disk and downloaded to the unit.

Options include audio feedback, wheelchair mounting kit, and magnifying lens for the display panel. An interface card is required to use DARCI TOO with Apple IIe computers.



Product Name: DButton for Windows

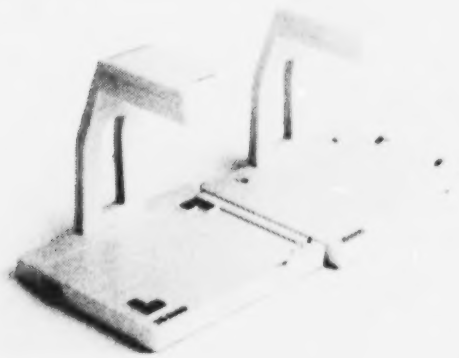
Vendor: Pointer Systems, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $85.00

DButton for Windows is a software program that allows control of various mouse button functions using a remote headpointing device (purchased separately). DButton presents a floating tool bar on the screen in Microsoft Windows. The tool bar offers various mouse functions such as "click left button" or "click and drag right button." The user selects a function by positioning the pointer on the desired choice and waiting for a preset period of time (dwell time). This eliminates any need to operate a switch to perform mouse functions. The size of the tool bar and the dwell time are adjustable by the user.

DButton works with various pointing devices, including the FreeWheel II or HeadMaster (see separate entries) or a standard mouse or trackball.



Product Name: DeskScan 3000

Vendor: Chinon America Inc.

Computer: Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Manual Form:

Cost: Contact manufacturer

DeskScan 3000 and Chinon's Calera's Wordscan OCR software can be used to scan, digitize, and input text into IBM PC and compatible and Macintosh computers. Printed pages are placed underneath the camera-type scanner, and the information is read into a text file on the computer. This text file can then be edited using most word processors or spoken by a voice output system. Characters from 8 to 14 points in height and with a pitch of 10 to 15 per inch can be scanned by this system. DeskScan 3000 has color scanning capability.

Deskscan 3000 scans with a resolution of 75 to 3000 dots per inch. Contact manufacturer for information on available configurations.

Product Name: DocuRead Expert

Vendor: Adhoc Reading Systems, Inc.

Computer: IBM PC AT, IBM PS/2 Models 50/60, IBM PS/2 Models 70/80

Cost: $3,350.00 - $4,590.00

The DocuRead Expert (formerly Adhoc Reader) is an optical character recognition (OCR) scanner capable of scanning a sheet of text and converting it to a computer text file that may be read using a speech synthesizer or other adaptive output device. Scanned documents may be from 3" x 3" to 8.5" x 14" in dimension, and have text in type sizes from 6 to 28 points.

An IBM PC AT or PS/2 (models 40 and higher) with 640K of memory and a hard disk drive is required to use the DocuRead Expert. Three versions are available: DOC-E/A Advanced DocuRead Expert for the PC AT, DOC-E/M Mini Expert DocuRead for PC AT computers (does not do sideways scanning and is slower than E/A), and DOC-E/MCA Advanced DocuRead Expert for the PS/2 computers. DocuRead IDB software is also available as an option; this program is the same as DocuRead Expert but IDB is menu driven. Included in the purchase price are a scanner, a recognition card, DocuRead software, a cable, a power cord, a half card scanner interface, and manuals on disk and in print.

Product Name: DragonDictate

Vendor: Dragon Systems, Inc.

Computer: IBM PC AT, IBM PS/2 Family

Cost: $4,500.00

DragonDictate is a speech recognition system for IBM PC AT computers that have an 80386 microprocessor. The system includes pre-programmed voice models for 25,000 words and space for 5,000 additional words. The user "trains" the system as it is being used; the pre-programed models are modified accordingly to more closely emulate the individual user's voice pattern. An 80,000 word secondary dictionary is also included to facilitate the entry of new words into the active vocabulary. The system can be configured for hands-free operation.

The system consists of DragonDictate software (4 diskettes), a speech recognition board, a tutorial program, a headset microphone, installation and user's manuals, and Quarterdeck Expanded Memory Manager. A one-year limited warranty is included. System requirements are an IBM PC AT computer with 8 MB of available hard disk space, a 5.25" high density or 3.5" disk drive, an open expansion slot for a full-length 8 bit peripheral card, and 8 MB of RAM.

Product Name: DragonWriter-1000

Vendor: Dragon Systems, Inc.

Computer: IBM PC Family

Cost: $1,595.00 - $2,495.00

The DragonWriter-1000 is a system which enables most IBM personal computer software applications to accept voice input. The system is appropriate for applications with a limited vocabulary (up to 1000 words active at one time) and a structured grammar. The user must pre-train the system to recognize vocabularies which will be used but this process allows the system to recognize words regardless of accent or dialect and adjust for up to 85dB of background noise. DragonWriter can be programmed for a variety of languages.

DragonWriter-1000 is combination of hardware and software and comes in two packages. The User System components include a recognition board, driver software, noise-cancelling microphone or tabletop microphone, manuals, and a limited warranty ($1,595.00). The Developer's System includes driver software, the DragonKEY II, DragonLAB, and VOCL development tools ($2,495.00).

Product Name: EDACTS Keyboard

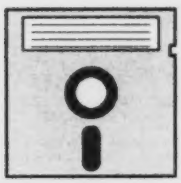
Vendor: Pa-Da Enterprises

Computer: Commodore 64, IBM PC Family

Cost: $1,995.00

The EDACTS Keyboard (Everyone Deserves A Chance To Speak) is an oversized keyboard which connects into a standard keyboard port. The keyboard contains 103 pushbutton keys, each 3/4" square, hinged on the edge furthest away from the user. Keys are color coded by function. Keys are separated horizontally by small vertical dividing walls. The rows are 1" apart and each is 3/8" higher than the preceding one. There are two modes of operation. One requires a single key press and the other requires two presses consecutively. The second option reduces unintentional key entries. A beep sounds when a key press is accepted (after each key press in single hit mode, after two consecutive in double hit mode). Certain keys (shift, control, etc.) are electronically latched to be controlled by pressing only one key at a time. A standard computer keyboard can be plugged into the EDACTS keyboard.

A speech synthesizer and VICcontroller allow speech output and environmental control (purchased separately).



Product Name: EEK

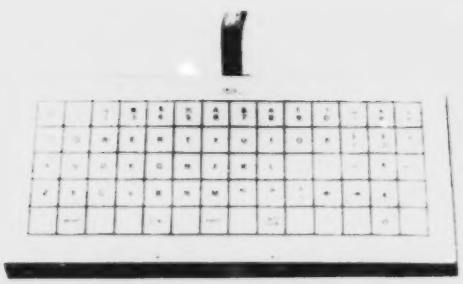
Vendor: OMS Development

Computer: IBM PC Family

Cost: $89.95

EEK is an on-screen keyboard for Microsoft Windows 3.1 that allows keystrokes to be sent to Windows applications when keys are clicked. Input can be made with any pointing device such as a mouse, track ball, touch screen, or head pointing system. EEK can be resized and can be customized to run over any other Windows application.

EEK requires Microsoft Windows 3.1 or greater. Evaluation copies are available for $5.00, applicable toward purchase price.



Product Name: Expanded Keyboard for Apple II+ and IIe

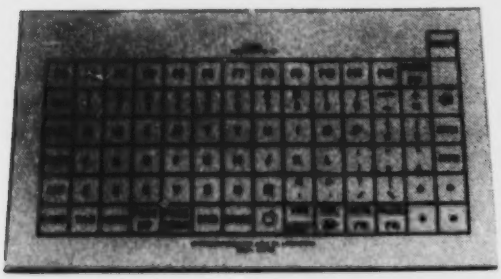
Vendor: EKEG Electronics Company LTD

Computer: Apple II+, Apple IIe

Cost: $750.00 - $875.00

Expanded Keyboards for the Apple II+ and IIe are large panels designed to operate exactly like the standard Apple Keyboards, but having substantially larger (1.5" and 2" square) keys. These keyboards connect in such a way that the standard keyboard can remain in operation as well. Latching keys are provided for those keys such as SHIFT which would normally have to be held down at the same time as another key. The keyboards are flat, allowing overlays to be added.

Expanded Keyboards for the Apple II+ and IIe send the same output to the computer as the standard keyboard to which they are equivalent, allowing the user to perform all the same functions. A keyguard consisting of a thick plastic coated wire grid is available (extra).



Product Name: Expanded Keyboard for Apple Macintosh and Apple IIGS

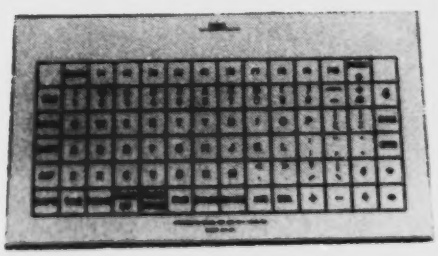
Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family

Cost: $850.00

Expanded Keyboard for the Apple Macintosh and the Apple IIGS is a large panel that operates like the standard keyboard, but has membrane keys. The keyboard contains its own microprocessor and has the same connector as the standard keyboard. Provision is made for having the standard keyboard connected and in operation at the same time as the expanded keyboard. Latching keys are provided for those keys such as SHIFT which would normally have to be held down at the same time as another key. The keyboard is flat, allowing overlays to be added. The surface is seamless and moisture-proof. Additional features include audible click and light flash on key activation, and a DIP switch which allows repeat and delay rate adjustment.

The expanded keyboard sends the same output to the computer as the standard keyboard to which it is equivalent, allowing the user to perform all the same functions. A keyguard consisting of a thick, plastic-coated wire grid is also available (extra.



Product Name: Expanded Keyboard for IBM Computers

Vendor: EKEG Electronics Company LTD

Computer: IBM PC Family, IBM PS/2 Family

Cost: $750.00

Expanded Keyboards for the IBM Computers are large panels designed to operate exactly like standard IBM keyboards, but having substantially larger (1.5" square) keys. Latching keys are provided for those keys such as SHIFT which would normally have to be held down at the same time as another key. The keyboards are flat, allowing overlays to be added.

Expanded Keyboards for the IBM-PC series send the same output to the computer as the standard keyboard to which they are equivalent, allowing the user to perform all the same functions. The expanded keyboards do not automatically work at the same time as the standard keyboard; the Switch Box, an adapter that permits switching between the standard and expanded keyboards, is available for $95.00. A keyguard consisting of a thick plastic coated wire grid is available for $50.00.

Product Name: Expanded Keyboards for the Talking BlissApple

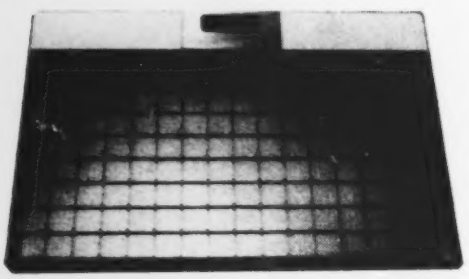
Vendor: EKEG Electronics Company LTD

Computer: Apple II Family

Cost: $950.00 - $1,450.00

Expanded Keyboards for the Talking BlissApple are keyboards with a great number of squares, all the correct size for standard bliss stamps. The Keyboards have been designed for use with the Trace Center's Talking BlissApple program, but contain a small microprocessing unit and can send serial ASCII to any computer or device that will accept it through an RS-232 serial port. Overlays for the Keyboards are user-definable.

Expanded Keyboards for the Talking BlissApple come in two models. One has 512 7/8" squares, measures 19" x 31", and weighs 8 lbs. ($1,450.00); the other has 220 1" squares, measures 15" x 26", and weighs 6 lbs. ($950.00). Keyguards for both models are available for $75.00.



Product Name: Expanded Membrane Keyboard

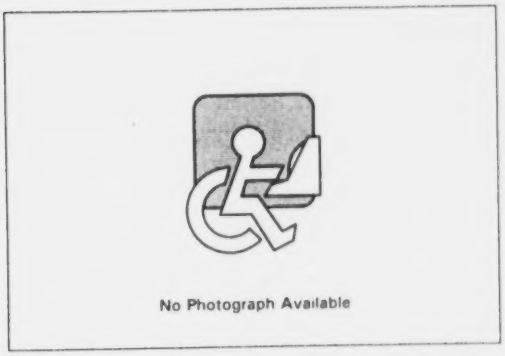
Vendor: ComputAbility Corporation

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $245.00

Expanded Membrane Keyboard is a 128-key programmable membrane keyboard with an active area size of 20" x 10". Each key measures 1.25" square. Key arrangements may be customized, and larger areas (the entire board, each half of the board, 4" square areas, etc.) may be defined for single or multiple keystroke input. Keys may also be defined to emulate mouse cursor control; the amount of cursor movement may be controlled through keystroke or mouse button commands. An overlay cover sheet is attached to the keyboard to protect overlays.

The keyboard comes with a 6 foot cable and 5 preprinted overlays. Expanded Membrane Keyboard may be used with such computer interfaces as AID+Me Enhanced Keyboard, Ke:nx, and the Adaptive Firmware Card.



Product Name: Expanded Numeric Keypads

Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family, Commodore Amiga, IBM PC Family, IBM PS/2 Family

Cost: $525.00 - $675.00

Expanded Numeric Keypads are membrane keypads designed to facilitate data entry by persons with disabilities. The keypads consist of 1.5" keys including: all numeric keys, plus, minus, multiply, divide, period, return, space, backspace, all cursor arrows, and word processing paging control keys. The keys are covered by a transparent waterproof cover which can be raised to allow overlays to be placed over the keys.

Four models are available: for Apple IIGS and Macintosh ($675.00), for IBM PC and XT ($525.00), for IBM AT and PS/2 ($525.00), and Commodore Amiga ($525.00). Keyguards are available for $50.00 each.

Product Name: Expert Mouse

Vendor: Kensington Microware Limited

Computer: IBM PC Family, IBM PS/2 Family

Cost: $149.95 - $179.95

Expert Mouse consists of a trackball surrounded by a small box. The user moves the trackball manually to emulate mouse functions. Two "click" buttons are provided, so that the product may be optimally used by left- and right-handed users. Each button may be programmed to emulate different mouse functions. The device can also be used to manipulate a control panel for Microsoft Windows 3.1. Expert Mouse requires less hand movement than a regular mouse, and the trackball requires minimal finger movement.

Two versions are available: A bus version (2.31 lbs.; $179.95), which comes with a serial card, and a serial version (1 lb., $149.95).

Product Name: Eye Slaved Pointing System

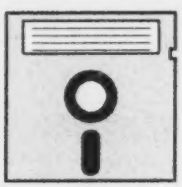
Vendor: ISCAN, Inc.

Computer: IBM PC Family

Cost: $15,000.00

The Eye Slaved Pointing System is a turnkey computer system which can be completely controlled through eyegaze input. The user can use word processing and modem applications and control external appliances through menu driven software. The system tracks the movement of the user's eye as he or she looks at the computer screen, and then translates the movement into computer input. The Pointing System allows for significant head movement and eye drifting as well as eyeglasses or contact lenses.

The Eye Slaved Pointing System includes an IBM compatible 386 personal computer, printer, modem, system software, external appliance control box, and eye tracking system.



Product Name: ezMorse

Vendor: Regenesis Development Corporation

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Electronic Manual, Printed Manual

Cost: $150.00

ezMorse is a software program that allows Morse Code to be used in place of typing on the IBM-PC keyboard. The user activates one or two switches to create Morse codes, which the computer accepts as if the corresponding letter had been typed on the keyboard. The code set is based on the standard military Morse code set, with special mnemonic codes used for all other keys. Speed is adjustable by the user. A three level on-line help system is available with pop-up screens showing codes for all the keys.

The system requires an IBM PC, XT, AT, or compatible or PS/2 with a minimum of 64K of memory and a game, serial, or parallel port. A sip and puff switch (the Breath Switch from Regenesis) is available, already adapted for use with the ezMorse system. Also included in the package is a cable that allows any switch to be plugged in. Switches are not included in basic price, but the Breath Switch is a available with ezMorse as a package.

Product Name: ezScan

Vendor: Regenesis Development Corporation

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Electronic Manual, Printed Manual

Cost: $150.00

ezScan is a software program that allows scanning of an on-screen keyboard to be used instead of a standard keyboard. A series of windows "pop up" on the screen to represent keyboard functions. The pop-up windows can be positioned anywhere on the screen. The user selects characters by scanning with a switch. Five types of scanning can be used, and parameters such as delay time and scan speed can be set.

ezScan requires a computer with a minimum of 64K of memory and a game, serial, or parallel port. The program comes with a cable for plugging in a switch; switches are not included.

Product Name: FastTRAP

Vendor: Microspeed Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $149.00 - $169.00

FastTRAP is a trackball, three buttons, and a "third axis" roller, contained in a small box. The user moves the trackball manually to emulate mouse cursor control. The left and right buttons emulate the "click" button on the standard mouse. The center button toggles the "drag lock" feature, produing a similar effect to holding down the button on a standard mouse; the drag lock eliminates the requirement that a button be held down. A keyboard emulation program (included) permits creation of templates for use with some programs that do not customarily support mouse use.

FastTRAP comes in two models: a serial version that can be plugged into the COM1 or COM2 port ($149.00) and a bus version that can be plugged into any empty expansion slot ($169.00).

Product Name: Felix

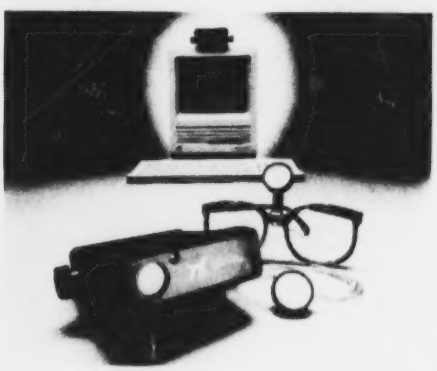
Vendor: Altra

Computer: Apple Macintosh Family, IBM PC Family

Cost: $118.00

Felix is a six inch square device which emulates the computer mouse. In the center of the square is a one inch square depressed area which corresponds to the computer screen. As the user moves a small pointer over that center area using his or her fingers an equivalent cursor movement occurs on the screen. Felix is self-contained and does not required any surface space to be functional. The device comes with special software which allows the user to program it with functions such as "no-hand" automatic access to window control areas.

There are two models available: one is compatible with IBM and compatibles computers, the other with Macintosh computers.



Product Name: FreeWheel Head Pointer System

Vendor: Pointer Systems, Inc.

Computer: Apple IIGS, Apple Macintosh Family, IBM PC Family

Cost: $1,395.00

The FreeWheel Head Pointing System is a cordless device that can be used with keyboard emulation software to replace the standard keyboard. The system includes FreeBoard software (see entries under FreeBoard and Screen Keys/FreeBoard), a small optical camera, a reflector kit, and connecting cables and adaptors. FreeBoard provides a visual image of the keyboard. The user indicates the desired key by positioning the cursor on the desired key on the image and either maintaining the position or activating an external switch.

The reflecting target may be strapped to the user's forehead or any mobile body part. An external switch may be attached into a 1/8 inch plug to serve as a selection button. The camera draws its power from the serial port on the computer and so can be used on portable computers.

Product Name: FreeWheel II Cordless Optical Head Pointer

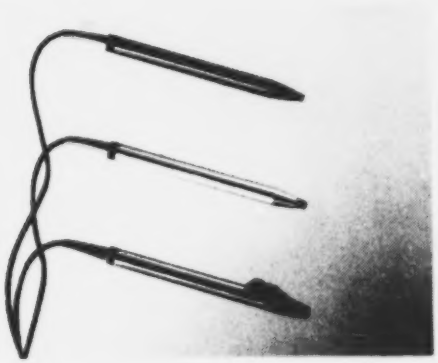
Vendor: Pointer Systems, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $1,195.00

FreeWheel II Cordless Optical Pointer is an input device that uses remote pointing. The user wears a small reflector on some part of their body (often the head) and points the reflector at a receiver located near the computer screen. The movement of the reflector moves a pointer on the computer screen. The FreeWheel II works with Microsoft Windows, providing the same function as the standard mouse pointer. The angle of rotation required to move the pointer from one side of the screen to the other can be adjusted. The reflector does not need to be connected to the computer with a cord and does not require its own power source.

FreeWheel II works on IBM PC and PS/2 computers and compatibles using Microsoft Windows. DButton software for controlling mouse functions is included (see separate entry). The on-screen keyboard software must be purchased separately.



Product Name: FTG Light Pens

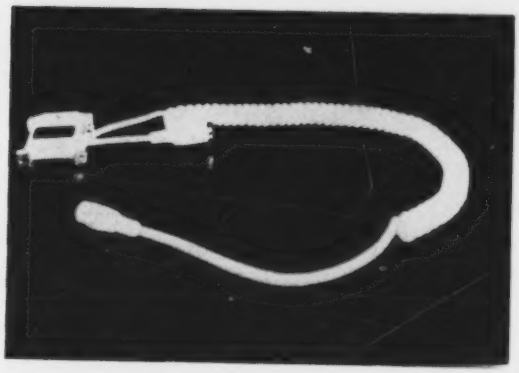
Vendor: FTG Data Systems

Computer: IBM PC Family

Cost: $199.00 - $289.00

FTG Light Pens are alternative input devices which can emulate the mouse, keyboard, and touchscreen. The pens are available in several models including: FT-1000, FT-1100, FT-256, and FT-276. The FT-1000 is a high resolution pen for graphics resolutions above 640 x 480 and all text applications; the pen has a stainless steel barrel. The FT-1100 has the FT-1000 features plus a side switch. The FT-256 can be used with color text and graphics applications up to the VGA level; the barrel is aluminum with black matte finish. The FT-276 is for use with monochrome applications and screens.

All pens come with pen holders and documentation. Light boards which provide on-screen single pixel resolution are also available (extra). The light pens are compatible with any DOS or Microsoft Windows application and IBM computers in general.



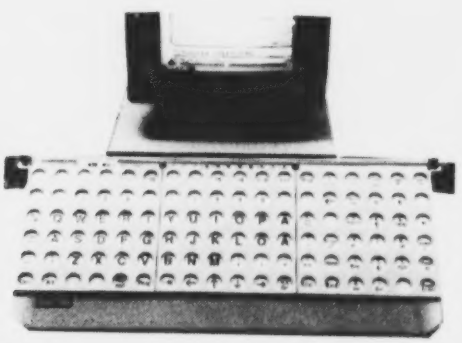
Product Name: Full Access Link

Vendor: Pointer Systems, Inc.

Computer: IBM PC Family

Cost: $195.00

Full Access Link is a hardware option for FreeBoard, SpeedScan or OneKey (see entries). It allows one computer (usually a laptop) to function as the keyboard for a second computer (usually a desktop). All adaption occurs on the first system and the second system had no added hardware or software and can run any program, including Microsoft Windows. The second system's keyboard still has all standard functions and can be used in conjunction with the first system. Full Access Link attaches to the parallel port of an IBM computer or compatible.



Product Name: GEWA FTB 108 Enlarged Keyboard

Vendor: Zygo Industries, Inc.

Computer: IBM-PC XT, IBM PC AT, IBM PS/2 Family

Cost: $1,695.00

The GEWA FTB 108 is an enlarged keyboard for personal computers. The keyboard has 108 keys which can be used with a low amount of force; the enlarged keys corresponds to the standard keyboard keys. The keys are recessed so that they can not be pressed unintentionally. Operation delay and repetition rate functions can be set to limit the number of wrong keystrokes. A "keep-function" allows one-finger typists to activate the CRTL and ALT keys one at a time rather than simultaneously. A programmable memory allows the user to enter frequently used phrases and long commands.

The GEWA FTB 108 is compatible with IBM PS/1, PS/2, AT, and XT computers.

Product Name: GEWA METB 121 Reduced Size Keyboard

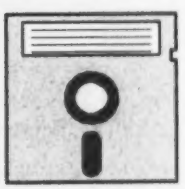
Vendor: Zygo Industries, Inc.

Computer: IBM-PC XT, IBM PC AT, IBM PS/2 Family

Cost: $1,695.00

The GEWA METB 121 is a reduced size keyboard for personal computers. The keyboard has 121 keys which each correspond to the standard keyboard. Operation delay and repetition rate functions can be adjusted to minimize the number of wrong keystrokes. A "keep-function" allows one-finger typists to activate the CRTL and ALT keys one at a time rather than simultaneously. A built-in memory enables the user to store frequently used phrases and long commands.

The GEWA METB 121 is compatible with IBM PS/1, PS/2, AT, and XT computers. No interface or extra cabling is needed.



Product Name: HAL (Home Automation Link)

Vendor: Voice Connection

Computer: IBM PC Family

Cost: $1,595.00

HAL (Home Automation Link) is a voice input system for the IBM-PC that allows the user full control of the computer by voice, and offers the options of phone control, appliance control, synthesized speech output, and TV and radio tuning control. The HAL program presents the user with "windows" on the computer screen, each displaying a set of control options. The user can select a window, and then command the system to perform control functions, all by speaking words and phrases into a microphone. For 36 different application programs the user can enter all data and commands that would otherwise be entered on the keyboard.

The price listed for HAL includes: the HAL environmental control software, Multiple Choice software (presents the windows), AutoMenu software (for application programs), IntroVoice VI voice recognition/synthesis hardware and software (see entry), headset microphone, and the HAL circuit board for voice control of speaker phone. Options available at extra cost include X-10 appliance control, Infrared controller, modem, and speech synthesizer. Contact the manufacturer for prices.

Product Name: HandiCODE and HandiCODE Deluxe

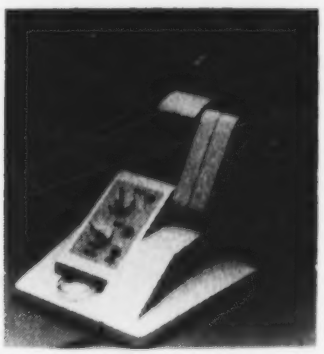
Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family, ITT, NEC (some or all models), TRS-80 Model 100, TRS-80 Model 200, Tandy 1000, Toshiba Laptops

Cost: $495.00 - $595.00

HandiCODE is a computer program that coverts single, dual, or triple switch Morse code to computer-readable form. The standard Morse code assignments have been extended to include the extra keys on the PC keyboard, plus pre-defined and user-defined commands. A macro facility provides abbreviation expansion for frequently used series of keystrokes. HandiCODE may also be used to control a DECTalk, Votrax, Computalker, or Echo speech synthesizer (extra) to provide voice output capabilities. A training utility, PracticeCODE, is included. Word input speed may be adjusted from 1 to 99 words per minute. HandiCODE provides on-screen help capabilities, and supports 40 or 80 column mode. Morse code paddles and connectors are available from the manufacturer; HandiCODE also supports use of three keyboard keys or other external switches as input devices.

HandiCODE is available for $495.00. HandiCODE Deluxe, which includes word prediction and abbreviation expansion capabilities, is $595.00.



Product Name: Hands Free Controller

Vendor: Nintendo of America Inc.

Computer: Nintendo

Cost: $175.00 - $275.00

The Hands Free Controller (HFC) allows input into the Nintendo Entertainment System (NES) for all NES games except those requiring the Zapper Light Gun or the PowerPad. The HFC is worn on the chest. A chin-activated joystick on an extendable rod is used to activate figures in the game. Button functions are simulated by use of a sip and puff switch. By sipping or puffing lightly, the A and B buttons are activated; harder sipping or puffing activates the Select and Start buttons. Users can specify the pressure necessary to activate Select and Start, and can reverse the activation of A and B from sip to puff and back again. The HFC can be used in competitive games where the other player is using other joysticks or controllers or another HFC.

Two packages are available: the Basic Set is the HFC alone ($175.00) and the Intermediate Set includes the HFC, NES Control Deck (including standard controllers) and Super Mario Brothers 2 ($275.00).

Product Name: Handwriter Recognition System

Vendor: Communication Intelligence Corporation

Computer: IBM PC Family

Cost: $200.00 and up

The Handwriter Recognition System is a software package which allows hardwritten input to be recognized when used with pen-based computer operating systems. The system can recognize a variety of standard and individual variations of characters and can be trained to accept unusual character variations. The user can handwrite any character which appears on the computer keyboard, including upper and lower case letters, numbers, punctuation, and symbols. The software then accepts the handwritten information as it would standard input. The system can recognize multiple languages.

The Handwriter Recognition System required one of the following operating environments: CIC's MacHand writer, CIC's PenDOS, or Microsoft's Windows for Pen computing. It also requires hardware, including a computer tablet and pen; contact the manufacturer for information on compatible hardware.

Product Name: HeadMaster

Vendor: Prentke Romich Company

Computer: Apple IIGS, Apple Macintosh Family, IBM PC Family

Cost: $990.00

HeadMaster is a headpointing system that replaces the mouse and keyboard of an Apple Macintosh. An ultrasonic transmitting unit sits atop the Mac monitor and sends signals to a lightweight headset that the user wears. HeadMaster translates changes in the user's head position into changes in the cursor's position on the screen. This positioning is relative; i.e., the user does not have to center his head directly in front of the screen. Lightly puffing into a tube connected to the headset is equivalent to pressing the mouse button.

HeadMaster is sold as a separate component. A 512K or Mac Plus model is required. Adapters are available for the Apple Macintosh II or SE, the Apple IIGS, or the IBM PC for $150.00. Hard disk and printer are options. HeadMaster may also be purchased with a remote control option which eliminates the need for the connecting cable between the headset and the computer.

Product Name: HeadMouse
Vendor: Pantech, Inc.
Computer: IBM PC Family
Cost: $250.00

Eyemouse is a system which enables a computer user to control cursor movement on the screen through head movement. Four ultrasonic sensors attached to the computer screen frame measure head movements and accepts those actions as commands equivalent to standard key strokes and a mouse. A user can select words, letters, and commands by looking at the appropriate keys on the image of the keyboard on the computer screen.

Product Name: Hearsay Gold
Vendor: Nova International Components
Computer: IBM PC Family
Cost: $299.95

Hearsay Gold is a hardware package which gives IBM computers voice recognition and speech synthesis capabilities. The voice recognition feature allows voice input to be used as keyboard commands and macros; the system recognizes 2,048 words and phrases up to one and one-half seconds long, in groups of 64. The speech synthesis function provides unlimited text to speech as well as read screen, repeat, keyboard echo, and adjustable pitch/speed features. Hearsay Gold also has pop-up windows for editing and macros.

The package includes a plug-in card and headset microphone/earphone. Hearsay Gold requires an IBM AT/XT or compatible and DOS 3.2 or higher.

Product Name: Help U Key

Vendor: World Communications

Computer: IBM PC Family, IBM PS/2 Family

Cost: $395.00

Help U Key is a software program that allows a user to control the computer with a single switch or a single keyboard key. The program presents an array of key choices on the screen and the user scans through the selections, indicating a choice by activating the switch or hitting a key. The cursor keys on the keyboard can also be used to move through the array and make choices. Selecting a key in the on-screen array is equivalent to typing that key on the keyboard, so any keyboard-driven software can be operating using Help U Key. The Help U Key software also provides abbreviation expansion capability, and can present word prediction lists based on the initial letters a user types.

Help U Key requires an external switch for switch input. The program supports English, Italian, Spanish, German and French languages. For users with speech impairments, a text-to-speech option is also available.

Product Name: Help U Keyboard

Vendor: World Communications

Computer: IBM PC Family, IBM PS/2 Family

Cost: $395.00

Help U Keyboard is software that creates an on-screen keyboard. The user operates a pointing device (such as a mouse or a remote headpointer) to move an on-screen pointer to the image of a desired key. The user can then select that key using the mouse button, a switch, or delay time (key automatically accepted when the pointer has been on it for a certain length of time). The Help U Keyboard software also provides abbreviation expansion capability, and can present word prediction lists based on the initial letters a user types. Many different keyboard layouts are available.

Help U Keyboard requires a pointing device such as a mouse, trackball or remote headpointer. The program supports English, Italian, Spanish, German and French languages. For users with speech impairments, a text-to-speech option is also available.

Product Name: IBM VoiceType 2

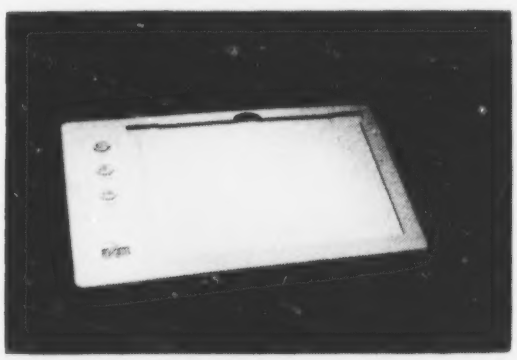
Vendor: IBM Corporation

Computer: IBM PC Family

Cost: $2,195.00

VoiceType is a speech recognition software program that provides an alternative to the computer keyboard. This program allows for up to 7,000 user defined words and commands. By speaking into a headset microphone, the user can access macros, word prediction, an 100,000 word back-up dictionary, and on-line documentation. There are built-in voice commands for controlling applications and DOS functions.

VoiceType is packaged with program disks, an on-line reference disk, instructional videotape, user's guide, reference card, and headset microphone with cable extender. This system does not requires a minimum of 8MB of memory, a 10MB fixed disk, DOS 5.0, the IBM M-Audio Capture, Playback Adapter/A, and one expansion slot.



Product Name: IntelliKeys Keyboard

Vendor: IntelliTools, Inc. (formerly Unicorn Engineering)

Computer: Apple IIGS, Apple IIe, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Cost: $395.00

The IntelliKeys Keyboard is a touch-sensitive alternate computer keyboard. For Macintosh, Apple IIgs and IBM PC computers, IntelliKeys requires no special interface: the keyboard plugs directly into the keyboard port. (For connecting to an Apple IIe, an additional interface is required.) A standard keyboard can be plugged into the IntelliKeys Keyboard and the two can be used together. Multiple IntelliKeys keyboards can also be connected to the computer. IntelliKeys can be used to perform standard keyboard and mouse functions, and may also be set up in custom arrangements for operating particular software. The IntelliKeys keyboard has 576 individual keys (24 x 24). IntelliKeys comes with seven overlays: alphabet, alphabet and numbers, numbers, arrows, QWERTY for IBM, QWERTY for Apple/Macintosh, and Setup. When one of these overlays is slipped onto the keyboard, it is instantly recognized and the keyboard is configured appropriately. The Setup overlay permits the adjustment of various keyboard fuctions.

Clear acrylic keyguards are available for six of the overlays (all but Setup). Keyguards are $50.00 a piece or $250.00 for all six.

Product Name: IntroVoice V

Vendor: Voice Connection

Computer: IBM PC Family

Cost: $695.00

IntroVoice V is a voice input system for the IBM-PC. The user trains the system to recognize certain spoken utterances (up to 1.25 seconds long), and then programs these utterances to trigger strings of characters. When the user speaks a trained utterance into the system's microphone, the programmed string of characters is sent to the computer as if it were input from the keyboard. Sets of trained utterances may be created for each applications program; these vocabularies can contain up to 500 utterances apiece. Subgroups within a vocabulary may also be created. The number of characters triggered by each utterance depends upon how much memory the user is willing to consume; the maximum number of characters is 1,000. The microphone can be turned on and off by voice command.

Software provided includes a program to assist the user in creating vocabularies as well as one with pre-determined vocabularies for certain popular applications software. The system includes a PC board, microphone, manual, and software.

Product Name: IntroVoice VI

Vendor: Voice Connection

Computer: IBM PC Family

Cost: $895.00

IntroVoice VI is a voice input system with a built-in speech synthesizer for voice output. The system consists of an internal circuit card for the IBM-PC computer, special software, and a microphone and speaker. The user "trains" the system to recognize certain words or phrases by speaking them into the microphone. Once the system is trained to recognize a particular utterance, the user can program a character (letter, number, etc.) or set of characters to be associated with that utterance. When the IntroVoice VI "hears" the utterance, it will send the programmed characters to the computer, just as if they had been typed on the keyboard. This allows the user to control standard commercial software by voice alone. The built-in speech synthesizer can be programmed to echo text back to the user. This option can be useful for verifying data entry. The software provided with the IntroVoice VI system is menu-driven, giving the user a structured way to program vocabulary.

IntroVoice VI can be programmed for up to 500 recognized words at one time. The circuit card is half-size. IntroVoice VI is also available packaged with HandiWORD, a word prediction program.

Product Name: InWords

Vendor: WestCode Software

Computer: Apple IIGS, Apple IIe

Cost: $129.00

InWords is a software product that allows an Apple II computer to perform optical character recognition (OCR). The users scans a printed document with a hand-held scanner, which transfers an image of the file to the computer. InWords then interprets the characters in the image and puts that text into a computer text file. This file can then be manipulated, printed or accessed in the same ways as any other computer text file. InWords comes with the ability to recognize several common type styles. For other type styles, the user can "train" InWords to recognize new characters.

InWords requires a hand-held scanner (extra). The program works with the Vitesse Quickie and the Thunderware LightnirgScan scanners. The program requires an Apple IIgs or enhanced Apple IIe with 512K of RAM.

Product Name: IRIS Reading Interface

Vendor: Visuaide 2000, Inc.

Computer: IBM PC AT, IBM PS/2 Family

Cost: $495.00

IRIS Reading Interface is a software package that, when combined with the appropriate hardware, allows an IBM PC-AT or PS/2 computer to function as a reading machine using optical character recognition. IRIS uses the numeric pad on the AT-style extended keyboard to control a variety of reading, notetaking, and file management functions. Reading functions include: reading text by character, word, sentence, paragraph, or page; searching text for a word or phrase; and moving to a specific page in a document. IRIS also includes context-sensitive online help, and can send the document being read to a peripheral unit.

IRIS runs on an IBM AT (286 or 386) or PS/2 computer with at least 640K of RAM, one floppy disk drive, (5.25" or 3.5"), an AT extended keyboard, and a hard disk. Also required (all extra): a Calera TrueScan character recognition card, a scanner supported by the TrueScan, and speech synthesis hardware. IRIS does not require a screen review program to operate or read text. Contact the manufacturer for more details about setting up the system.

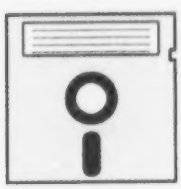
Product Name: K-U-I

Vendor: Softac Corporation

Computer: IBM PC Family

Cost: $79.95

K-U-I is a keyboard user interface program for use with Microsoft Windows. The program has a "hot keys" feature which provides mouse emulation through user-defined keystrokes. K-U-I has a built-in magnification feature which provides enlargement of two to eight times original size. The program also allows easy access to DOS commands and user-defined "aliases" to be used instead of commands lines.



Product Name: Ke:nx

Vendor: Don Johnston Developmental Equipment

Computer: Apple Macintosh Portable,
Apple Macintosh SE/II

Cost: $780.00

Ke:nx (pronounced "connects") is a software program that permits Macintosh computers to be operated by means other than the standard keyboard and the mouse cursor-control device. Access strategies that may be used with Ke:nx include single switch scanning, Morse code, or ASCII input and a variety of alternative keyboards. Other features include mouse emulation, macro capability, and speech output capability.

Ke:nx works transparently with a variety of standard software programs. Customization possibilities are extensive.

Product Name: Ke:nx On:Board (M43)

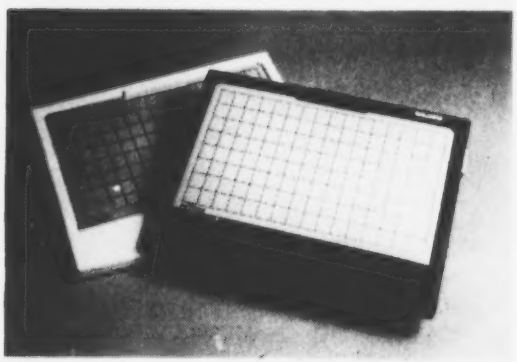
Vendor: Don Johnston Developmental Equipment

Computer: Apple Macintosh Family

Cost: $675.00

Ke:nx On:Board is an alternative, touch sensitive keyboard for the Macintosh PowerBook. The keyboard has 128 keys and all the standard features of the PowerBook keyboard. The touch sensitivity of the keyboard may be adjusted accordingly for the user. The area surface of keys is larger than the standard keyboard and the letters or numbers on the keys appear in large print. The mouse, Microsoft Windows, and menus are controlled by using designated keys. Overlays and software (extra) can be used to redefine the keys. Ke:nx On:Board also features a built-in wrist rest. Digitized speech (extra) may be added on to make the keyboard "talk".

A keyguard for Ke:nx On:Board is available for $120.00. Ke:nx On:Board requires a Macintosh PowerBook computer, hard drive, 2MB RAM, and System 6.07 or higher.



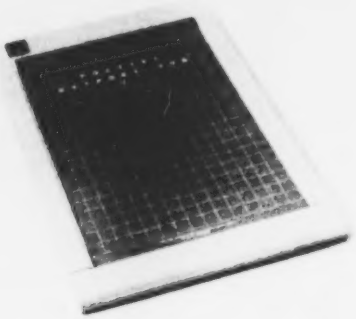
Product Name: Key Largo

Vendor: Don Johnston Developmental Equipment

Computer: All (Hardware Independent)

Cost: $320.00

Key Largo is membrane keyboard designed for use with Ke:nx, Adaptive Firmware Card, and other interfaces (see entries). The keyboard is a medium-sized, light-touch input device. Key Largo may be used to control Apple II programs using the Adaptive Firmware Card or create and print custom overlays using the Ke:nx software. It's membrane surface is divided into 128 square which can be configured for the user's needs. The keyboard uses paper or plastic overlays the size of a standard legal-sized sheet of paper (8.5" x 14"). Key Largo also features a built-in wrist wrest.



Product Name: Keyport 300

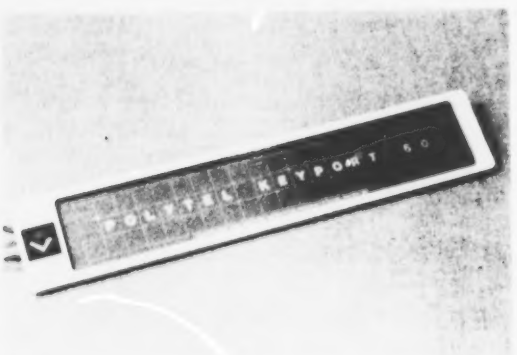
Vendor: Polytel Computer Products Corporation

Computer: IBM PC Family

Cost: $195.00

Keyport 300 is a 300-key alternate keyboard for the IBM-PC. Using the accompanying software (included), the user can assign any series of commands or characters to a single key on the Keyport 300's membrane surface. Different patterns of key assignments can be stored on disk and then recalled when running the appropriate piece of applications software. The user can place different custom overlays on the Keyport corresponding to these different key assignment patterns. Each key on the Keyport 300 is 0.5 inches square; larger keys can be created by assigning several adjacent keys the same value.

Keyport 300 plugs into the game port of the computer, and can be used at the same time as the standard keyboard. (If the computer does not have an active game port, it must be outfitted with one; contact Polytel or your computer dealer.) Keyport 300 will work with virtually any applications software.



Product Name: Keyport 60

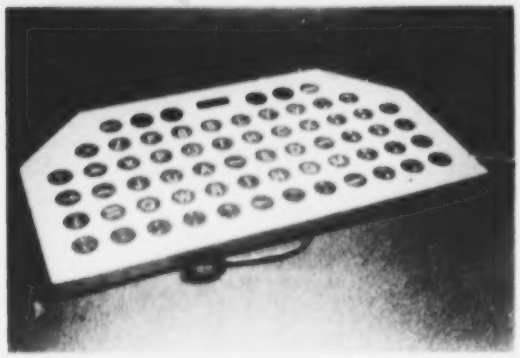
Vendor: Polytel Computer Products Corporation

Computer: IBM PC Family

Cost: $119.00

Keyport 60 is a small membrane keyboard consisting of 60 0.5" square keys in a 3 x 20 layout. Using the accompanying software (included), each key on the Keyport 60 can be assigned a series of characters which then will be triggered when that key is pressed. Keyport 60 and the standard keyboard can be active at the same time. Patterns of key assignments can be stored on disk and then recalled, allowing the user to have a separate custom 60-key keyboard for any applications program. Overlays can be placed on the Keyport's surface to indicate which areas trigger which characters or commands. Larger key areas can be obtained by assigning adjacent keys the same value.

Keyport 60 plugs into the IBM's game port. (If the computer does not have an active game port, it must be outfitted with one; contact Polytel or your computer dealer.) Keyport 60 can be affixed along the top of an IBM keyboard with adhesive pads (provided). Keyport 60 will work with virtually any applications software.



Product Name: King Keyboard 2440

Vendor: TASH, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PS/2 Family

Cost: $720.00

King Keyboard is an expanded version of the Apple IIe keyboard, with 1.25" diameter keys. The keys are slightly recessed so that the board's surface acts as a keyguard. Operating the keys requires 200 gm of pressure. When used with the Adaptive Firmware Card or Ke:nx (see entry) on Apple computers or the PC Serial Aid or DADA Entry (see entries) on IBM computers, all keys can be redefined so that they enter desired words, characters, or phrases: up to 128 messages can be stored and retrieved. Key response time can also be varied, and SHIFT and CONTROL keys are latched.

Product Name: Kurzweil 5100, 5200, and 6200 Scanning Systems

Vendor: Xerox Imaging Systems, Inc.

Computer: IBM-PC XT, IBM PC AT

Cost: $8,500.00 - $19,500.00

Kurzweil 5100, 5200, and 6200 Intelligent Scanning Systems are self-contained systems that will scan printed text, recognize the characters (letters, numbers, punctuation), and use this information to translate the printed text into a computer text file. Once the text is in computerized form, it can be loaded from the scanner into a computer system as a text file, where it can be manipulated or displayed through some special output (such as synthesized voice, refreshable braille, or braille printer). The scanner can be trained to recognize virtually any typestyle, in 6 to 24 point sizes, including multiple typestyles in one document. A 50-page automatic document feeder (included) accepts pages up to 8.5" x 14" in dimension. A co-processor card is also included with the 5100 to permit other applications to be carried out during scanning and recognition. The 5100 also includes a Text Verifier which "learns" unusual or poorly printed symbols, and Recognition Enhancement to adjust for poor quality originals. The 5200 includes the Text Verifier and a coprocessor that increases recognition speed. The 6200 is a large risk processor which accepts documents up to 11" x 17". The scanners are designed only to translate printed text into computer (ASCII) text, which must then be sent to a computer for special output (braille, etc.).

Product Name: Laser Optic Keyboard

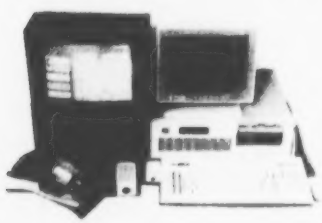
Vendor: International Technology, Inc.

Computer: IBM PC Family

Cost: $2,500.00

The Laser Optic Keyboard is a transparent input device for IBM computers which translates head movements into key strokes. The keyboard consists of a small laser unit and interface board. The laser unit is attached to the user's eyeglasses or headband, the wearer then uses head movement to select the desired character on the interface board. When a character is selected a light flashes in visual acknowledgement and a click sounds as an audible signal; the character then appears on the computer screen. The keyboard comes with a word processor and can also be used to operate standard software on the computer.

The complete system package consists of an IBM PC, monitor, laser, interface keyboard, software, and printer for $2,500.00; the keyboard package including laser, interface board, and software is available for $1,500.00. Speech output is an available option.



Product Name: LIAISON

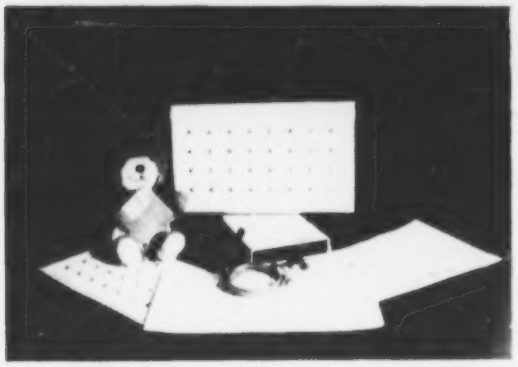
Vendor: DU-IT Control Systems Group, Inc.

Computer: Apple IIGS, Apple Macintosh Family, IBM PC Family

Cost: $3,750.00 - $3,930.00

LIAISON is a device designed to give high-level quadriplegics (C-5 to C-1) access to computers, environmental control, and telephone operation. When attached to a computer, LIAISON may be used to provide alternate input (both keyboard- and mouse-emulating) to most software programs. Input is accomplished by using an on-screen keyboard (displayed on a separate color monitor) and infrared switch input. Length of time required to activate a key and other variables are programable. Liason can be assigned level type macros so that phrases up to 240 characters can be retrieved by pressing one key and keyboard layouts with up to seven levels can be stored in memory. LIAISON may be used to program telephone numbers and dial a telephone or speakerphone (extra), whether or not attached to a computer. LIAISON is also designed to control four AC outlet groups, 16 remote AC power outlets (requires an X-10 starter kit), and miscellaneous control functions (e.g., switches). The keyboard is configurable.

The system consists of an electronics box, a color monitor, a Proportional Infrared Receiver and Transmitter, and cables. LIAISON may be controlled using the DU-IT Wheelchair System or as a stand-alone unit.



Product Name: LightBoard

Vendor: Ability Research, Inc.

Computer: Apple IIGS, Apple IIe, Apple Macintosh Family, IBM PC Family

Cost: $795.00 - $995.00

The LightBoard is an alternative computer keyboard which is operated by head motion using an optical pointer. The keyboard is programmable and "keys" can be grouped according to the user's needs. To input text or commands, the user directs the optical pointer to the desired "key". Lightboard provides transparent access for all software applications when used with most adaptive interfaces including the Adaptive Firmware Card and Ke:nx. The product is available with either 128, 72, or 32 "keys".

The LightBoard is compatible with the Unicorn boards and Apple IIe, Apple IIGS, Macintosh, and IBM computers. Keyboard, stand, blank overlays, and head pointer are included.

Product Name: LipStick and WordWriter

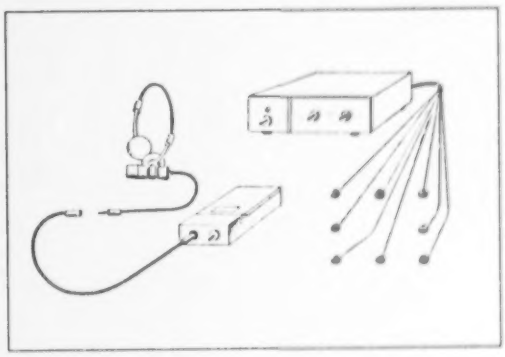
Vendor: McIntyre Computer Systems Division

Computer: Apple Macintosh Family

Cost: $100.00 - $350.00

LipStick is an alternate input system for an Apple Macintosh, employing a joystick or trackball in place of the standard mouse and keyboard. Moving the joystick or rolling the trackball is equivalent to sliding the mouse. Pushing the joystick "fire" button or pressing the trackball button is equivalent to clicking the mouse button. WordWriter is software which presents an image of the keyboard on the computer screen. Included with the keyboard is a predictive vocabulary list of over 4,000 words; users can add and delete words or phrases from this list. The user can perform the equivalent of typing on the keyboard by moving the mouse cursor to a letter or word on the keyboard image and pushing the button. The joystick is available mounted on a gooseneck for mouth operation, but can also be mounted differently and operated by another part of the body. The input system operates transparently, offering the user access to most commercially available software for the Macintosh computer.

The LipStick and mounting are $250.00; WordWriter is $100.00; LipStick, mounting, and WordWriter may be purchased together for $350.00.



Product Name: Lite Touch

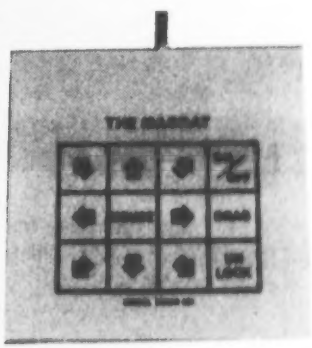
Vendor: Lovejoy Electronics

Computer: Apple II Family, IBM PC Family

Cost: $695.00

Lite Touch is a light activated joystick emulator. Four sensors are attached to the frame of the computer screen, one to each side. In addition, up to four more sensors may be placed at the corners. The user wears an optical pointer attached to the head, or some other part of the body. The pointer is directed at the first four sensors in order to emulate the four directions of movement of a joystick. The additional sensors each act as the "fire" button. The sensors plug into an external receiving unit, which in turn plugs into the computer's joystick (or game) input port.

Lite Touch can be used to emulate joystick input. Lenses of different focal lengths are available for the pointer. A software shell program ($198.00), available from the manufacturer, is required to use Lite Touch on an IBM computer. The four sensors have mini-plugs attached, and two of them may be used as dual switch input via the Adaptive Firmware Card or the PC AID (see entries).



Product Name: Macrat

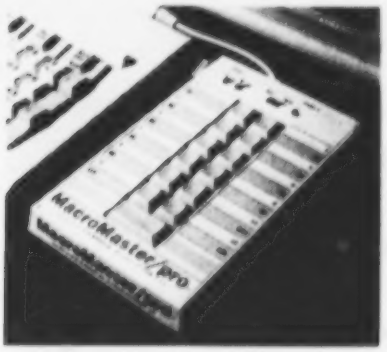
Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family

Cost: $475.00

Macrat is a mouse emulating device for the Apple IIGS and Macintosh computers. The device consists of twelve 1.5" membrane keys. Eight of these keys are labeled with arrows pointing up, down, left, right, and towards the four diagonal directions. When one of these keys is pressed, the mouse pointer moves in the corresponding direction on the screen until the key is released. The rate of pointer movement is adjustable from the computer's keyboard. The rest of the keys emulate standard mouse functions (click, drag, and unlock), and turn the Macrat on and off.

Macrat comes with a clear plastic cover and is waterproof. An optional keyguard (extra) is also available. The device requires use of Easy Access which is included as a standard part of Apple IIGS and Macintosh system software. Macrat plugs directly into any Apple Desktop Bus (ADB) port and comes with an eight-foot cord.



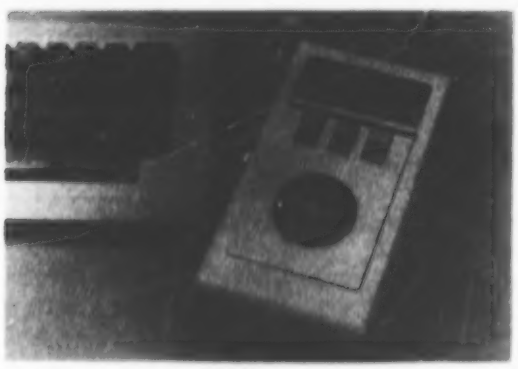
Product Name: MacroMaster/pro

Vendor: AJ Weiner Inc/New England Computer Products

Computer: IBM PC Family, IBM PS/2 Family

Cost: $249.00

MacroMaster/pro (formerly called echoBOX) is a keyboard macro storage device. The MacroMaster is connected between the standard keyboard and the computer. The user can define up to 24 macros (strings of characters or commands) into the MacroMaster's memory. When the user presses a key on the MacroMaster, the macro programmed for that key will be sent to the computer just as if it had been typed in full on the standard keyboard. The MacroMaster has 12 keys plus a SHIFT key, and space for the user to affix custom labels by each key. Macros are stored in the MacroMaster/pro in non-volatile memory; that is, they are retained when the system is turned off, and no external power or internal battery is required to retain memory.



Product Name: MacTRAC

Vendor: Microspeed Inc.

Computer: Apple IIc, Apple IIe, Apple Macintosh Plus, Apple Macintosh SE/II

Cost: $99.00 - $119.00

MacTRAC is a trackball and three buttons contained in a small case. The user moves the trackball manually to emulate mouse cursor control. The left and right buttons, which surround the trackball, emulate the "click" button on the standard mouse. The center button, located above the trackball, toggles the "drag lock" feature that produces a similar effect to holding down the button on a standard mouse; the drag lock eliminates the requirement that a button be held down. The trackball case has a sloped panel that may be used as a wrist rest.

MacTRAC is available in two versions: DB-9 ($99.00), which can be used with Apple IIc and IIe computers equipped with a mouse card (extra) and with Macintosh Plus computers, and ADB ($119.00), which can be used with the Mac SE and II computers.

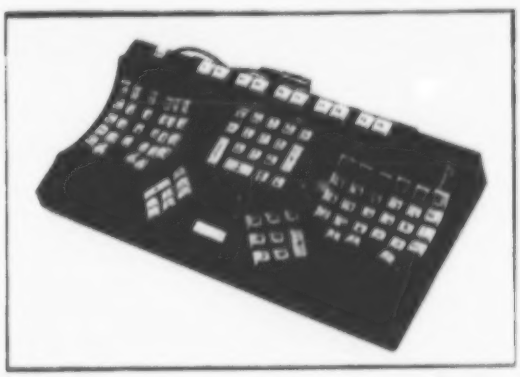
Product Name: Magic Wand Keyboard with McKey Mouse Option

Vendor: In Touch Systems

Computer: Apple IIGS, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Cost: $1,295.00 - $1,595.00

The Magic Wand is a miniature, full-function IBM-style keyboard designed to be operated with a wand or a mouthstick. No pressure is required to activate any of the keys; keys are activated by contact. Touching the CONTROL, SHIFT, or ALT keys latches them until they are touched again. The keyboard plugs directly into the keyboard socket; it has a standard layout and will run all software. The McKey Mouse has full mouse capability and will work at the same time as the keyboard; the mouse has eleven speed settings plus left, right, and double click. McKey Mouse is compatible with Microsoft Windows.



Product Name: Maltron Keyboard

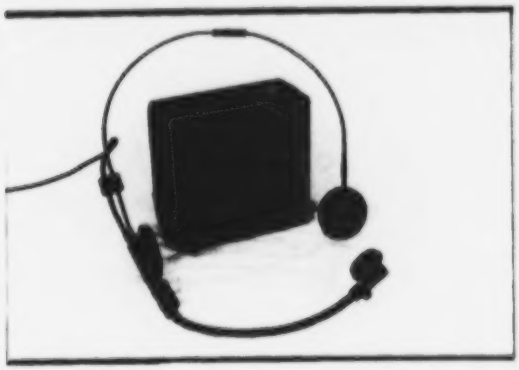
Vendor: International Management Services, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $595.00 - $725.00

Maltron Keyboards are specially curved and arranged to suit several varieties of typing styles. There are four different keyboard models: single handed (left), single handed (right), mouth/head stick, and two handed. The single handed keyboards have a depressed area for the alphabet keys, cursor keys on the slope of the concave area, numeric pad on a flat portion to the side of the curved area, and function keys on a flat surface along the top of the keyboard. The right and left handed keyboards are mirror images of one another. The keys on the mouth/head stick keyboard are arranged in a rectangular block with function keys on the top row, alphabet keys to the left, and numeric pad to the right; this keyboard has an overall concave curve. The two handed keyboard has depressed areas on either side, each with alphabetic keys; function keys are along the top, numeric pad in the center, and command keys (CRTL, ALT, etc.) are in two groupings beneath the numeric keys.

The Maltron Keyboards have all the functions of a standard keyboard and are compatible with IBM computers.



Product Name: Micro IntroVoice

Vendor: Voice Connection

Computer: IBM PC Family

Cost: $1,495.00 - $1,595.00

Micro IntroVoice is a voice input system with a built-in speech synthesizer for voice output. The system consists of an internal circuit card for the IBM-PC computer, special software, and a two-way headset or one-way headset with a desktop speaker. The user "trains" the system to recognize certain words or phrases by speaking them into the headset; the system can recognize up to 1,000 isolated words or phrases. Once the system "hears" a word or phrase it sends keystrokes via the serial port to the computer and text to the speech synthesizer for audio prompting and verification.

The Micro IntroVoice can be used with its own specialized software or with any standard software. The system can be purchased with the word prediction program HandiWORD.

Product Name: MIKE (Mouse Interface & Keyboard Emulation)

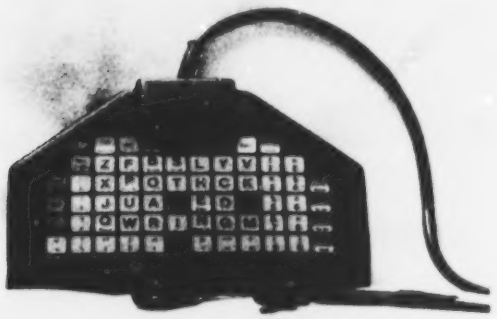
Vendor: Prentke Romich Company

Computer: Apple Macintosh Family, IBM PC AT, IBM PS/2 Family

Cost: $195.00

MIKE (Mouse Interface and Keyboard Emulation) is a hardware and software package that allows the Liberator communication aid (see separate entry) to interface to a Macintosh or IBM computer. MIKE uses the Trace Transparent Access Module (see separate entry) with a special software program that puts all of the necessary keyboard and mouse definitions into the Liberator's memory. The user can select keys and mouse movements from the Liberator and these will be translated directly into keyboard and mouse input to the computer. The module is connected directly to the computer's standard keyboard and mouse connections, and the standard keyboard can remain connected and in use when MIKE is being used. The user can control any standard software on the computer. The MIKE software can load its key and mouse information into the vocabulary of an existing Minspeak Application Program (MAP).

MIKE allows the Liberator to be interfaced to an IBM PC or compatible (AT or newer), an IBM PS/2, or an Apple Macintosh (must be SE or newer, equipped with Apple Desktop Bus keyboard connector).



Product Name: Mini Keyboard

Vendor: TASH, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PS/2 Family

Cost: $375.00

This Mini Keyboard is similar to the Mini Keyboard previously sold by TASH, but the keys on the earlier model, which had to be pressed with a special stylus, have been replaced by small membrane keys which can be pressed with a finger, typing stick, mouthstick, etc. The keys require a force of 100 grams to activate. If used with the Adaptive Firmware Card, all keys on the Mini Keyboard can be redefined, key response time can be adjusted, and SHIFT and CONTROL keys will latch.

The Adaptive Firmware Card is required to use the Mini Keyboard with the Apple IIe or IIGS; Ke:nx for the Macintosh; the PC Serial Aid or DADA Entry is required to use the keyboard with the IBM PC or PS/2. The PC Mini Keyboard (see entry) may be easier to use for PCs and PS/2s, as it contains the full IBM PC keyboard layout. A mini direct plug-in version for the Macintosh is also available.

Product Name: Mini Membrane Keyboard

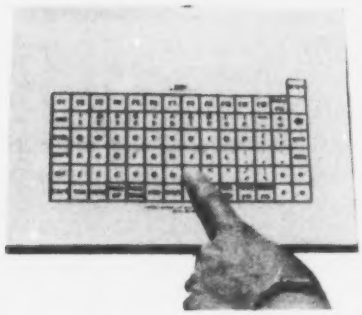
Vendor: ComputAbility Corporation

Computer: Apple IIGS, Apple IIe, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Cost: $149.95 - $245.00

Mini Membrane Keyboard is a 70-key programmable alternative keyboard. A minimum of 15 ounces of force is required for activation. The keyboard may be programmed using AID+Me, Adaptive Firmware Card, or PC Serial Aid (see entries). Contact manufacturer for information on other compatible user interfaces.

Mini Membrane Keyboard comes with a 6 foot cable and preprinted Apple and IBM overlay sheets. The keyboard itself is $149.95, with mounting $245.00.



Product Name: Mini-Keyboards

Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family, Commodore Amiga, IBM PC Family, IBM PS/2 Family

Cost: $475.00 - $750.00

Mini-Keyboards are membrane keyboards designed to be compatible with standard software. The keyboards are waterproof, and are covered by a clear plastic cover which can be peeled back to allow the use of overlays. The keyboards plug into the keyboard socket of the computer, and work transparently with most software. Additional features include audible click and light flash on key activation, and a DIP switch which allows repeat and delay rate adjustment.

Three configurations are available: with .5" square keys ($475.00), with .75" square keys and an active keyboard area of 10.5" x 4.5" ($625.00), and with 1" square keys and an active keyboard area of 14" x 6" ($750.00). Each of these configurations is available for use with the Apple IIGS and Macintosh (MIN 901AM), IBM PC and XT (MIN 901BX), IBM AT and PS/2 (MIN 901BA), and Commodore Amiga 2000 (MIN 901CA).

Product Name: Minimal Motion

Vendor: Equal Access Computer Technology, Inc.

Computer: IBM PC Family

Cost: $300.00 and up

Minimal Motion is a computer access system which uses combinations of keys pressed together (chords) to type letters. The system is designed for users who can press four or more keys but have difficulty with the full standard keyboard. The user types letters by pressing combinations of keys on the standard computer keyboard (no additional hardware required). The user can customize the system to use whatever group of keys on the keyboard are most comfortable. The system for learning and remembering chords uses an on-screen visual guide and feedback so that novices can begin using the system without having to learn all the chords first. Minimal Motion lets the user type any key, so any standard software on the computer can be operated.

Minimal Motion currently uses only the standard keyboard; special chordic switch input devices are being developed. Contact the manufacturer for further information.

Product Name: Morse Code WSKE II

Vendor: Words+, Inc.

Computer: IBM PC Family

Cost: $695.00 - $1,395.00

Morse Code WSKE (Words+ Software Keyboard Emulator) II is a RAM-resident program that allows an IBM-compatible computer to be used as an integrated augmentative communication/computer access system for one- or two-switch Morse code users. The system provides dual word prediction, abbreviation expansion, automatic word endings, punctuation spacing, and capitalization, and voice output capability. The system runs transparently with applications software, including some graphics software.

The Bank Street Writer word processor program is included with Morse Code WSKE. The voice output option ($1,395.00) will work with most serial port text-to-speech speech synthesizers or SmoothTalker (extra). The No Voice option ($695.00) permits the program to be used without voice.

Product Name: Morsek Version 1.1

Vendor: Kinetic Designs, Inc.

Computer: Atari ST Family, Commodore Amiga, Datavue Spark, Grid, IBM PC Family, IBM PS/2 Family, NEC (some or all models), Toshiba Laptops

Manual Form: Electronic Manual, Printed Manual

Cost: $130.00

Morsek is emulating software which uses switch input to emulates the standard and enhanced keyboard input for IBM PC/XT/AT and true compatibles, including laptops. Morsek runs through the serial or parallel port and can use one to three switches to run Morse code in timed or untimed modes. Definable options are variable speed cursor movement, key repeat, super key mode, and debounce delays. Morsek can also be run using the keyboard as a "switch."

A hard disk is recommended for running Morsek, particularly if the user has severe disabilities.

Product Name: Mouse Emulator

Vendor: TASH, Inc.

Computer: Apple Macintosh Family

Cost: $500.00

Mouse Emulator is a device that allows a set switches to be used in place of a mouse for input to a Macintosh computer. Five input switches are used to produce up, down, left and right cursor movement plus mouse button action. A latching feature is provided to reproduce mouse movement with the mouse button held down ("dragging"). This latching is activated by holding down the mouse button switch for a certain (adjustable) length of time. The speed of cursor movement with the Mouse Emulator goes in two stages. The initial speed when a switch is activated is fixed and slow. After a one second delay the speed increases to a higher value, the magnitude of which is adjustable. The Mouse Emulator will also serve in place of the standard keyboard. Special software presents an on-screen image of the keyboard. The user moves the mouse cursor to the desired key and clicks the mouse button in order to "type" that key.

Mouse Emulator is designed to substitute transparently for the mouse and the keyboard, providing access to standard software on the Macintosh 512 and Plus computers. An adapter is needed for use on the Macintosh SE or Mac II computers.

Product Name: Mouse Keys

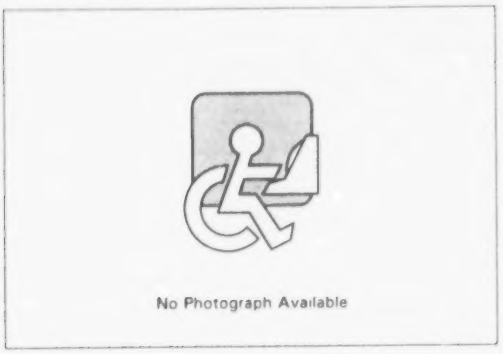
Vendor: World Communications

Computer: IBM PC Family

Cost: $395.00

Mouse Keys is a software program which allows the mouse to emulate keyboard input. The program provides the user with a visual on-screen keyboard which has all the functions of the standard keyboard. The user makes keyboard selections by using the mouse cursor to activate keys on the visual keyboard. Mouse Keys can also be operated using a remote headpointing device. Mouse Keys features a word prediction function and an auto select keys option.

The program requires Microsoft Windows 3.0 or higher and an IBM PC or PS/2.



Product Name: MousePen

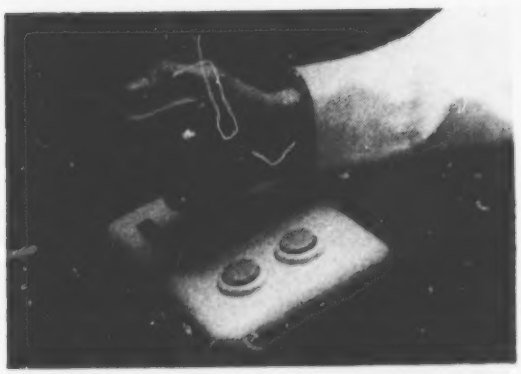
Vendor: Appoint

Computer: Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Cost: $79.00 - $90.00

MousePen is a cursor control device which is the approximate shape and size of a traditional writing pen. The click button is located on the shaft of the device.

There are several models are available. The MousePen Pro PC is compatible with the standard Microsoft serial and IBM PS/2 mice; the MousePen Pro Portable is designed to work on a variety of surfaces for situations where "mousing" space is limited. Both IBM versions come with the MousePen with PS/2 connector, adapter for DB9 or DB25 serial ports, Microsoft compatible mouse driver with installation program, Menu Maker for using MousePen with non-mouse applications, 3.5" and 5.25" disks, and user manual. MousePen PC comes with a pen holder; MousePen Portable comes with a carrying case. The MousePen Mac, which is compatible with any Apple system using the Apple Desktop Bus (ADB) interface, has a second button that allows cursor velocity to be changed without invoking the control panel. A user manual and pen holder are also included.



Product Name: MouseStick II

Vendor: Advanced Gravis Computer Technology Ltd.

Computer: Apple Macintosh SE/II

Cost: $99.95

The MouseStick is a joystick that can be used in place of a mouse to move the cursor on the screen. The joystick can be configured by the user to provide customized response for a variety of software programs. The joystick has three buttons, one on the handle and two on the base; each button responds to a single, double, or triple click. Customized settings can be saved, and designated settings can be automatically loaded when the computer starts.

MouseStick works with Macintosh computers which have ADB ports.

Product Name: MouseTouch

Vendor: Information Strategies Incorporated

Computer: Apple Macintosh SE/II, IBM PC Family, IBM PS/2 Family

Cost: $895.00 - $1,160.00

MouseTouch is a touchscreen that plugs directly into a serial mouse port and may be used to emulate all mouse operations. MouseTouch can be used with any mouse-driven software. Screen resolution is 4096 x 4096.

Two versions are available: one for the Mac SE and II, and one for the IBM-PC and PS/2 series of computers. Price depends on size of screen.

Product Name: Mouth Operated Joystick for Nintendo

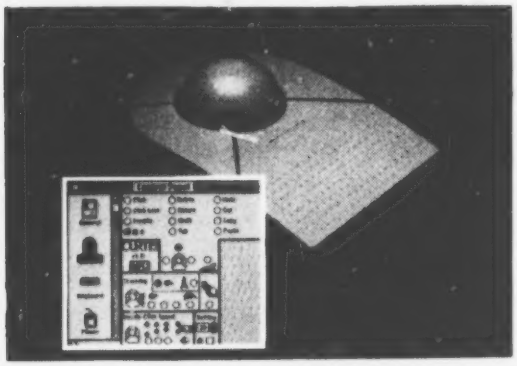
Vendor: KY Enterprises/Custom Solutions

Computer: Nintendo

Cost: $99.00

The Mouth Operated Joystick for Nintendo provides an alternate input method to the Nintendo game system. A lever switch is used to start and reset the games. The joystick is moved with the mouth. Button A is operated with a puff and Button B is operated with a sip. Two controllers are provided on the same plug: the Mouth Operated Joystick and a regular hand controller, allowing for team play.

Head movement is required to operate this joystick. A 24" gooseneck mount is included. A Genesis adapter is available for $29.00.



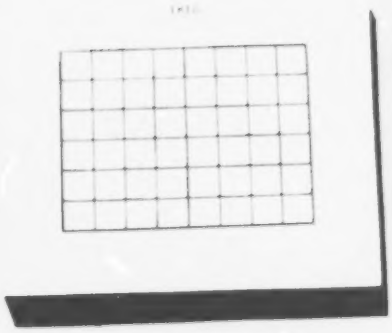
Product Name: MVP Mouse

Vendor: Curtis Manufacturing Company, Inc.

Computer: Apple Macintosh SE/II

Cost: $149.95

The MVP Mouse is a trackball and three buttons which emulate the functions of a mouse. The user moves the trackball manually and depresses the buttons to make selections and activate features. An on-screen control panel allows the user to customize button functions, tracking speed, and double-click speed.



Product Name: Narwhal Expanded Keyboards for Adaptive Firmware Card

Vendor: EKEG Electronics Company LTD

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $200.00 - $350.00

Expanded Keyboards for Use with the Adaptive Firmware Cards are alternate keyboards designed for use with the Trace Center's Talking BlissApple program. Unlike EKEG's other keyboards for the BlissApple program, these do not contain a microprocessor, but must be used with an Apple II+ or IIe equipped with an Adaptive Firmware Card (see entry).

Four models of these Expanded Keyboards are available, one with 48 1" squares, one with 48 1.25" squares, one with 128 1" squares, and one with 128 1.25" squares. Keyguards are available for all these boards, ranging in cost according to model.

Product Name: No-Keys
Vendor: Leithauser Research
Computer: IBM PC Family
Cost: $25.00

No-Keys is a software program which allows the user to input text into any program using a mouse or trackball. This program displays a window containing text characters on the screen. The mouse cursor is also visible. When the user moves the cursor to a character and presses the left mouse button, the selected character is inserted into text just as if a key on a keyboard had been used. The window includes upper and lower case letters, numbers zero through nine, punctuation marks, and symbols. Keyboard functions such as Page Up/Down, Insert, Enter, Shift, Alt, and Ctrl are also displayed and can be accessed by using mouse control.

Product Name: NoMouse
Vendor: Abacus
Computer: IBM PC Family
Cost: $49.95

NoMouse is a software program designed to emulate the functions of the mouse in a Microsoft Windows environment. The program utilizes the four cursor keys to perform mouse functions. By using the cursor keys the user directs an oversize pointer anywhere on the computer screen. A configuration screen allows the user to adjust the program's settings including tracking speed and acceleration. The user can also designate hot keys and a "home" screen position for the NoMouse pointer. The NoMouse program can be used in conjunction with the standard mouse and any Microsoft Windows applications.

Product Name: Omni-Reader

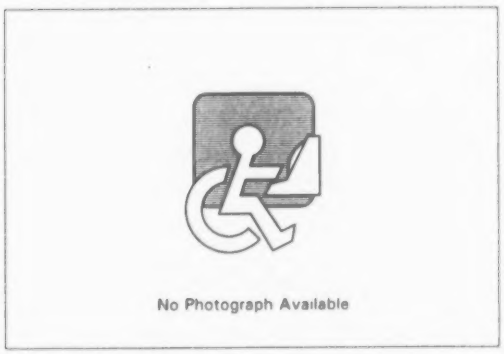
Vendor: IMPX International Corporation

Computer: IBM PC Family

Cost: $199.00

Omni-Reader is an optical character recognition scanning system. The user places a page of text on the Omni-Reader's tablet surface and scans the document line by line with a hand-held reading unit that moves along a horizontal guide. An image of the characters on the page is sent to a computer. Special software running on the computer processes the image and recognizes what letters, numbers and punctuation are represented. The software stores this information as a computer text file, which can be saved and edited. Once the text is stored this way, the user can read it with a some special output such as synthesized voice or a braille printer. The Omni-Reader can recognize four common typestyles: Courier 10, Courier 12, Letter Gothic, and Prestige Elite.

The Omni-Reader system does not actually provide the alternate output (voice, braille, etc.), only the means of converting printed text to a computer text file. The software for character recognition is available for the IBM-PC and compatibles.



Product Name: On-Command

Vendor: Computer Support Corporation

Computer: Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Cost: $295.00

On-Command is a programmable infrared remote keypad and receiver that can be used to control an IBM PC or PS/2 or Apple Macintosh computer from a distance of up to 40 feet. On Command consists of a portable transmitter, a receiver which plugs into the serial port of the computer via a six-foot cable, and software for programming the keypad. Each key on the keypad can be programmed to represent up to 15 keystrokes or key combinations for IBM computers running the DOS operating system (3.0 or higher) or Microsoft Windows 3.0 or 3.1. When used with the Apple Macintosh, each keypad key can represent any keystroke, mouse click, or mouse movement. On-Command comes with several templates preprogrammed for popular presentation software programs.

On-Command connects to the Macintosh with a DIN 8 adapter and to the IBM with a 9-pin or 25-pin adapter. The system consists of a transmitter with 28 programmable keys (5.25" x 2.5" x .75") and a receiver (3.75" x 2.38" x 1"). Contact manufacturer for further information.

Product Name: One Access

Vendor: Consultants for Communication Technology

Computer: IBM PC Family

Cost: $250.00

One Access is a program that allows a person to access the functions of the computer keyboard with a single switch. The program puts an array of choices on the screen and the user selects by scanning the choices with the switch. Selecting a letter, number or other character in this way is equivalent to typing it on the computer keyboard, so the user can operate any standard software on the computer. The program has a word prediction feature.

One Access can be purchased separately or is available as part of the Handy Speech Communication Aide (see entry). A switch in not included.

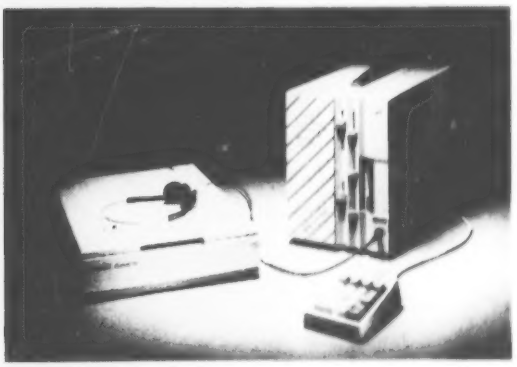
Product Name: OneStrk

Vendor: E. David & Associates

Computer: IBM PC Family

Cost: $19.95

OneStrk is a program that allows complete keyboard input using just one key on the keyboard. Typically the space bar would be selected. OneStrk puts an array of characters on the screen representing the keys on the keyboard, and the user presses the one key to scan through the choices and select a key. Selecting a key in this manner is equivalent to pressing it on the standard keyboard; thus, standard software that uses the keyboard for input can be controlled using OneStrk. OneStrk can be set up to load automatically when the computer is turned on. It can be temporarily shut off for people who don't need it.



Product Name: Open Book

Vendor: Arkenstone, Inc.

Computer: All (Hardware Independent)

Cost: $4,995.00 - $6,495.00

The OpenBook is an optical character recognition system which converts text pages into an electronic text file and reads them with a voice synthesizer. The system consists of a scanner, processing unit with the DECtalk speech synthesizer, and a 17-key keypad. Features of the system include automatic page orientation, automatic contrast adjustment, decolumnization of multicolumn documents and the ability to recognize a wide variety of type faces and font sizes. Text scanned with the OpenBook can be saved in the system's document library for future use. At least 5000 can be stored and saved at any time.

The OpenBook is available in Standard, Deluxe, and Special models. The OpenBook Deluxe has a faster text recognition rate and can store twice as much text in the library as the Standard. The Special version is has an even faster recognition and storing rate. All versions of the OpenBook can be upgraded to a full featured IBM 386 or 486 computer. The OpenBook software is also available separately. Contact Arkenstone, Inc. for details about compatible scanners and speech synthesizers.

Product Name: Open Book Unbound

Vendor: Arkenstone, Inc.

Computer: IBM PC Family

Cost: $1,874.00 - $2,869.00

Open Book Unbound is reading software which enables the user to read printed documents with voice output. The software provides everything necessary to make an IBM personal computer or compatible act as an optical character reader, except the hardware scanner itself. The software provides scanning capability of 56 to 165 characters per second, depending on the speed of the computer processor used. Open Book Unbound can recognize a variety of fonts, and provides automatic decolumnization, automatic constrast control, and automatic orientation detection. The Quick Speech feature permits the user to listen to the page while it is being recognized. Text scanned with Open Book Unbound can be saved in the program's document library for future use.

Open Book Unbound is compatible with Microsoft Windows and works with many speech synthesizers. A DECtalk PC speech synthesizer and Hewlett Packard ScanJet IIp scanner are usually sold with the software.

Product Name: Optimouse

Vendor: ISCAN, Inc.

Computer: IBM PC Family

Cost: $995.00

Optimouse is a light pen that functions as an alternative mouse. The system consists of a video sensor that plugs into the computer, an image processing card that fits inside the computer, and a hand-held pointer. The pointer is directed towards the computer screen, and is used to move the cursor around on the screen. A reflective spot (extra), which may be affixed to any moveable body part, may be used instead of the hand-held pointer. Mouse button function is emulated by pressing a button on the side of the pointer.

Product Name: OsCaR

Vendor: TeleSensory, Inc.

Computer: IBM PC AT, IBM PS/2 Models 50/60, IBM PS/2 Models 70/80

Cost: $2,495.00 - $2,840.00

OsCaR is an optical character recognition (OCR) system that scans typewritten or printed documents and imports the information to a computer text file, which can be read, edited, and saved for later use. The system recognizes text from 6 to 72 points in size, and in type styles such as underlined, boldface, italic, and headline. Text to be scanned can be oriented either vertically (portrait) or horizontally (landscape) on the page. OsCaR has been designed to work with TeleSensory devices such as Navigator, Vista, VersaPoint, and the Vert line of screen access hardware and software, and can produce files (including grade 2 Braille) for direct use with these devices.

OsCaR will work with IBM PC-AT and PS/2 computers, and uses the OmniPAGE OCR package (from Caere Recognition Systems) to recognize text. The package includes: OsCaR, the user interface software, Hewlett Packard ScanJet IIp, and OCR software from Caere. A package including Duxbury Braille translation software (see entry) is also available. Contact manufacturer for further price and feature information.

Product Name: Paint Box Snap and Paint Box Clear Keys

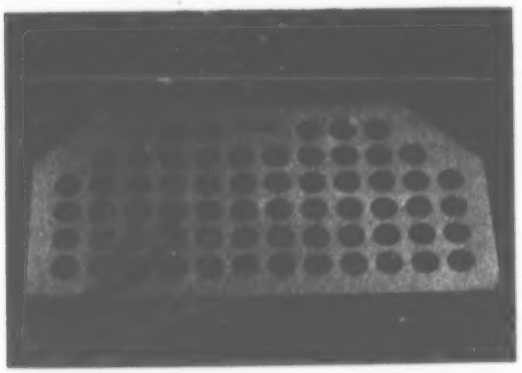
Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS

Cost: $12.00 - $85.00

Paint Box Snap is a six-key alternative keyboard for Apple IIGS computers that is designed to work with the Adaptive Firmware Card (AFC). Each of the six large keys is a different color. The keyboard may be used with any program that requires use of one to six keys.

Paint Box Snap ($85.00) requires an Apple IIGS keyboard and the AFC Model G32 or G32e. Paint Box Clear Keys, a set of clear plastic snap-on covers for the Paint Box Snap keys, into which pictures may be inserted, is available for $12.00.



Product Name: PC King Keyboard

Vendor: TASH, Inc.

Computer: IBM PC Family

Cost: $1,075.00

The PC King Keyboard has separated and enlarged keys that are slightly recessed, allowing the user to stabilize their arm or leg on the keyboard without activating keys. When activated, the keys provide an audible click as feedback. User may set key response time from 0 to 2 seconds. Latching CTRL, ALT, SHIFT, and function key modes are indicated by lights. Key presses are auto-repeating after an adjustable delay. The keyboard can be operated simultaneously with a standard keyboard.

Product Name: PC Mini Keyboard

Vendor: TASH, Inc.

Computer: IBM PC Family

Cost: $750.00

PC Mini Keyboard is a small membrane keyboard with closely spaced keys. Keys may be activated with a mouthstick, pointer, finger, etc. The keyboard plugs directly into the IBM keyboard port; no additional hardware or software is required. Key response time may be set from 0 to 2 seconds. Audio feedback indicates when key is pressed and when information is sent to the computer. Latching CTRL, ALT, SHIFT, and function key modes are indicated by lights. Key presses are auto-repeating after an adjustable delay. The keyboard can be operated simultaneously with a standard keyboard.

Product Name: PC Scan 3000 and Personal Scan

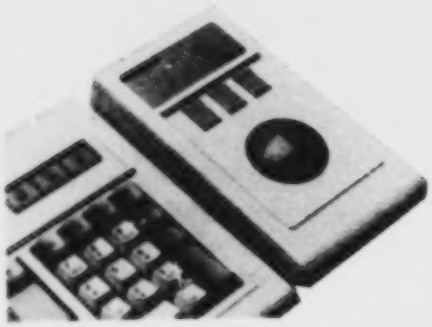
Vendor: DEST Corporation

Computer: Apple Macintosh Plus,
Apple Macintosh SE/II, IBM PC Family,
IBM PS/2 Models 25/30

Cost: $799.00 - $1,425.00

PC Scan 3000 and Personal Scan are optical character recognition scanners. The user feeds a single page into the scanner, which scans the text or image. This data is sent to the computer, where the software recognizes each letter of the text, and stores this information as a computer text file. This file is then available to be read using any desired output system (braille, speech, etc.). Text Pac also provides formatting that allows text to be automatically inserted into a number of popular word processing programs. PC Scan can recognize 12 common typestyles, including both monospace (uniform width letters) and proportionally spaced type, in 10 and 12 point sizes. The scanner typically scans a page in about 12.5 seconds, and will accept paper from 3.5" x 3.5" to 8.5" x 14" in almost any color.

Two models are available: PC Scan 3000 which is $1,425.00 and Personal Scan which costs $799.00. Both models include scanner hardware and some software; contact the manufacturer for more information on the various packages available.



Product Name: PC-TRAC

Vendor: Microspeed Inc.

Computer: IBM PC Family, IBM PS/2 Family, Toshiba Laptops

Cost: $119.00 - $159.00

PC-TRAC is a trackball and three buttons contained in a small case. The user moves the trackball manually to emulate mouse cursor control. The left and right buttons, which surround the trackball, emulate the "click" button on the standard mouse. The center button, located above the trackball, toggles the "drag lock" feature that produces a similar effect to holding down the button on a standard mouse; the drag lock eliminates the requirement that a button be held down. The trackball case has a sloped panel that may be used as a wrist rest.

PC-TRAC is available in three models: a serial version that can be plugged into the COM1 or COM2 port ($119.00), a bus version that can be plugged into any empty expansion slot ($159.00), and a PS/2 mouse port-compatible version ($119.00).

Product Name: PC/KPR

Vendor: Xerox Imaging Systems, Inc.

Computer: IBM PC Family, IBM PS/2 Models 25/30

Cost: $1,995.00 - $6,495.00

The PC/KPR is a desktop reading system. Text may be read immediately, stored for later retrieval, or transferred to ASCII, word processing, or spreadsheet formats for editing. Included with the system is Kurzweil's Intelligent Character Recognition (ICR) software on 5.25" or 3.5" disks, an ICR co-processor card with 4 Mb of memory, a scanner interface card, an interface cable, and user documentation.

Three models are available. Model 7315-25 ($1,995.00) is for medium to high volume reading. Dimensions are 19.5" x 15.2" x 5.6"; weight is 19.8 lbs. Model 7315-35 ($5,695.00) has a true bookedge for optimal handling of bound materials and is for high volume reading. Dimensions are 23.3" x 15.3" x 5.9"; weight is 33 lbs. Model 7315-45 is also available for $2,895.00. An automatic document feeder may be attached (optional). Contact manufacturer for information about upgrading to 4 Mb of memory for handling documents in landscape (lengthwise) format. A DECTalk card for speech output may be added to either model for $800.00.

Product Name: Personal Attendant

Vendor: High Tech Intelligence, Inc.

Computer: IBM PC Family

Cost: $8,000.00 - $19,000.00

Personal Attendant is a software and hardware computer system designed to give the user control over work and home environments. The hardware components of the system include: monitor, 80MB harddisk, 2400 Baud internal modem, keyboard, and mini tower floppy case with 3.5" and 4.25" inch drives and tape backup capibility. The system also includes letter, money manager, appointment scheduling, menu system, word processing, database, and spreadsheet software. The Personal Attendant uses the external modem, a telephone card, and special software to provide telephone control as well.

The system is IBM compatible. The unit costs range depending on the options selected. The system can be integrated into the purchaser's computer or bought with a computer. Other optional equipment includes a remote control, wireless microphone, and bed modification.

Product Name: Personal Reader (KPR)

Vendor: Xerox Imaging Systems, Inc.

Computer: All (Hardware Independent)

Cost: $3,995.00 - $6,495.00

The Personal Reader is a stand-alone optical scanner that reads typeset and typewritten material and converts it into DECtalk synthetic speech. The reader may be used with either single sheets or bound documents such as books or magazines. The Personal Reader may also be used to convert text into a computer-readable text file that may be used for word processing, Braille conversion applications, or voice output. A talking calculator function is also included.

The Personal Reader is available in five models. Model 7315-10 includes a handheld scanner, and sells for $3,995.00. Model 7315-20 includes a 5.5" x 23" x 15", automatic scanner, and sells for $5,495.00. Model 7315-30 includes both scanners, and sells for $6,495.00. Model 7315-40 is $3,995.00 and Model 7315-50 is $4,995.00. The prices for all models include scanners, a basic electronics unit with DECtalk speech synthesizer and a keypad, Kurzweil OCR software, tracking aids, a license for use of the systems and the English language package, documentation in print, Braille, or cassette, and a one-year warranty. Contact manufacturer for information on optional packages for languages other than English.

Product Name: PKD 84 and 101

Vendor: Advanced Input Devices

Computer: IBM PC Family, IBM PS/2 Family

Cost: $268.75 - $283.24

The PKD 84 and 101 are IBM compatible flat panel keyboards which use a sealed, printed graphic overlay to replace keys and metal dome switch technology to replace key switches. The PKD 84 is compatible with IBM AT computers; the PKD 101 is compatible with IBM PC XT, AT and PS/2 computers.

Contact manufacturer about custom design of keyboards with electrical, mechanical, or graphics options.

Product Name: Portable Transaction Voice Computer

Vendor: Voice Connection

Computer: IBM-PC XT

Cost: $3,195.00 - $3,695.00

The Portable Transaction Voice Computer (PTVC) is a hand-held computer system with voice recognition and speech output capabilities. The PTVC has a 50 key alphanumeric keyboard with a standard IBM function set. The system also has the ability to accept bar code and voice recognition input. When voice recognition equipment (extra) is used the overall recognition capability of the PTVC is up to 500 words or phrases. Text can be viewed on the 16 line by 21 character display or "read" using synthesized speech (extra).

The PTVC has the capabilities of an IBM XT computer and can operate transparently with application software. However, applications must be down-loaded to the PTVC from a desktop IBM computer in Assembly, C, or Basic. Speech synthesizer and bar code systems are not included but are available as options. Additional options include: external modem, printer, and a developer's toolkit.

Product Name: PowerKey Software for IBM

Vendor: Dunamis, Inc.

Computer: IBM PC Family

Cost: $99.95

PowerKey Software for IBM allows standard IBM software programs to run directly from the PowerPad (see entry). Using PowerKey, the user can also design SetUps by defining single or multiple keystrokes. PowerKey includes a 12x12 grid on which overlays can be created; each square can be defined in relation to the surface of the PowerPad.

Product Name: PowerPad

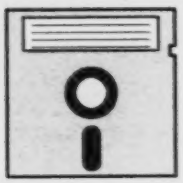
Vendor: Dunamis, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe, Atari 400, Atari 800, Commodore 128, Commodore 64, IBM PC Family

Cost: $229.95

PowerPad is a flexible alternate computer input consisting of a grid of 14,400 microswitches covered with a 12" x 12" plastic pad. Depending upon the program used, the surface of the PowerPad can be divided up many ways yielding different sized activation areas. Overlays can then be custom designed to indicate what each "key" on the PowerPad signifies in that program's configuration.

PowerPad connects to the game port of most computers. Many programs have been developed for the PowerPad which are useful for augmentative communication or for rehabilitation training and education. PowerPad Tool Kit Software, a ProDOS authoring program for designing customized PowerPad applications, is available for $69.95. PowerKey, a software program that permits the PowerPad to be combined with the Adaptive Firmware Card (see entry) and used as an input device for most Apple software, is available for $99.95. Contact the manufacturer for more information on available software.



Product Name: PowerPad Starter Kit

Vendor: Dunamis, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $279.95

PowerPad Starter Kit is a set of materials for getting started setting up a PowerPad keyboard (see separate entry). The kit includes the PowerPad, cabling, and special software for programming the PowerPad to work as a keyboard or with particular software. The Starter Kit software provides an image of the PowerPad on the computer screen, and the user can type in the desired values for each of the 144 pressure-sensitive areas on the PowerPad.

Product Name: Pre-Dict-ate

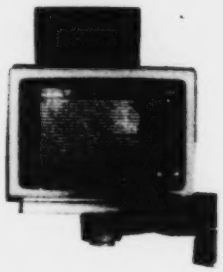
Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Cost: $395.00

Pre-Dict-ate is a voice input system integrated with word prediction software. The user trains the system to recognize spoken keywords. When a word that stands for a letter (such as "Juliet" for "J") is spoken, the letter appears on the screen and a list of words beginning with that letter appears. The user can either select a word from the list with a voice command or "type" a second letter, which will bring up a list of words beginning with the two letters typed. The program automatically adjusts the word lists to correspond to the particular user's most common word usage. Pre-Dict-ate allows the user to type text or commands in any software running on the computer (word processing, spreadsheet, communications, etc.). Letter-by-letter spelling does not have to be used; the system can also be trained to recognize whole words. Multiple users can each have their own voice files, so that the system will recognize each of the user's voices.

Pre-Dict-ate uses the Voice Navigator II voice input system and the "Telepathic" word prediction software (see separate entries), combined with a specially created language file. Pre-Dict-ate itself is $395.00; with the Voice Navigator it ranges from $695.00 to $995.00.



Product Name: Proportional Keystroke Scanner

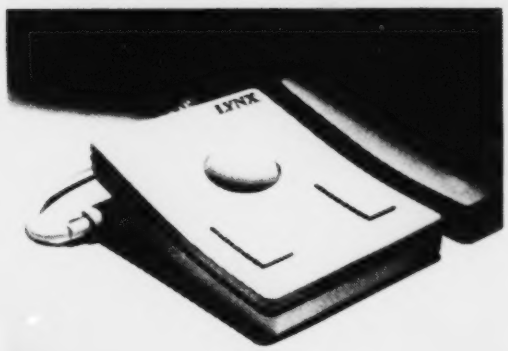
Vendor: Ability Systems Corporation

Computer: IBM PC Family, IBM PS/2 Models 25/30, IBM PS/2 Models 50/60

Cost: $2,850.00

Proportional Keystroke Scanner is a input device operated by scanning characters at a rate that is proportional to the air pressure the user applies to the puff tube. The system consists of a display module with all the characters of the keyboard on it and an input system that may be controlled by a sip and puff device. The user's current position is indicated by one of the characters being lit up on the display. Each of the four rows of characters can be scanned horizontally by sipping, and the scanning rate is controlled by the amount of force applied by the user's sipping. The user slows down when in the vicinity of the correct character, and stops sipping when it is reached. Characters are selected by puffing gently; they then appear on the computer screen. The user sips sharply to change rows on the display panel, or puffs and holds to repeat the previous selection. The system attaches to the computer by means of the computer's industry-standard RS-232 communications port.

The price listed above includes the sip and puff device and "Abilitywrite" driver software. Available options include a telephone switch hook control module.



Product Name: QUADLynx Trackball

Vendor: Asher Engineering Corporation

Computer: Apple IIc, Apple IIe, Apple Macintosh Plus

Cost: $99.95

The QUADLynx Trackball plugs directly into the mouse port of the Apple II or Macintosh and handles all software just as the mouse would. The trackball is set in a stationary base, and is designed for precise cursor manipulation, versatility and ease-of-use. The design also reduces the accumulation of dust.

Product Name: Radio Mouse

Vendor: MISCO

Computer: IBM PC Family

Cost: $99.00

The Radio Mouse is an infrared wireless mouse that may be used at a distance from 12" to 6' from the computer. The range of operation is 90 degrees. The system consists of a receiver that plugs into the computer's serial port or dedicated mouse port, and a wireless mouse with three buttons. There are eight frequency settings. Resolution is adjustable from 10 to 1,200 dots per inch. Radio Mouse is compatible with Microsoft Windows. The following software is included on 3.5" and 5.25" disks: Mouse Driver, Test, and Menu files (for operating programs such as dBASE, WordStar, Lotus 1-2-3, and DOS).

An IBM PC with at least 128K of memory is required to use the Radio Mouse.

Product Name: Read-It Pro 4.0/Personal 4.0

Vendor: Olduvai Corporation

Computer: Apple Macintosh Family

Cost: $295.00 - $595.00

Read-It! is optical character recognition software for any scanner that uses bit-mapping, PICT, or TIFF formats. Type Tables can be established so that Read-It! can be customized to use any typeface; predefined Type Tables for some LaserWriter, typewriter, and ImageWriter fonts are included. Read-It! also provides feedback so that Type Tables can be modified for optimal accuracy. The scanned information can be stored as a computer text file. While Read-It! does not actually provide voice or braille output, the computer text files it produces can be read using devices such as speech synthesis equipment or electronic braille devices.

A Macintosh with at least one megabyte of memory is required. Read-It! is available in two versions: Personal 4.0 for hand-held scanners ($295.00) and Pro 4.0 for all scanners ($595.00).

Product Name: Reading AdvantEdge

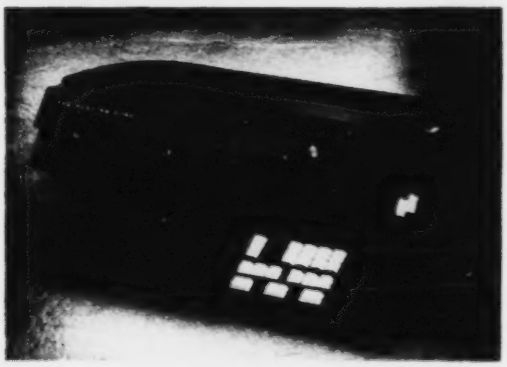
Vendor: Xerox Imaging Systems, Inc.

Computer: IBM PC Family

Cost: $795.00 - $2,995.00

The Reading AdvantEdge is an optical character recognition package that requires no additional hardware be installed in the computer (a scanner is still required). Features of the software include automatic page orientation, automatic contrast adjustment, the ability to scan multiple pages before the recognition process starts and the ability to save scanned materials in a variety of word processing formats. The software can also output the beginning of a page as text while the recognition process is taking place.

Reading AdvantEdge is compatible with Xerox's BookEdge and flatbed scanners, and most Hewlett-Packard scanners. The software requires an IBM or compatible computer with a 386 or higher processor. A software only version of the system is available for $795.00. The system is available with various scanner options for prices ranging from $1,295.00 to $2,995.00. Contact the manufacturer for more details.



Product Name: Reading Edge

Vendor: Xerox Imaging Systems, Inc.

Computer: All (Hardware Independent)

Cost: $5,495.00

Reading Edge is a optical character recognition (OCR) reading machine with voice output. The user places a piece of printed text on the surface of the device, which scans an image of the page and recognizes the characters (letters, numbers, etc.). The Reading Edge reads the material back to the user in a synthesized voice as it is scanned. Almost any type face or size can be recognized, and multiple columns can be read correctly. Bold and italicized print can be spoken in a different voice. An automatic page orientation feature adjusts for pages which are upside down. The surface of the scanner slants at a 15 degree angle to hold open books more securely. The Reading Edge can recognize different languages, using different memory cards which can be inserted into the device. Scanned documents are saved in the device's memory, and can be edited using built-in braille-style keypad. Documents can also be transferred to a computer through a serial port.

Carrying case and automatic document feeder are options.

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Product Name: Remote Keyboard

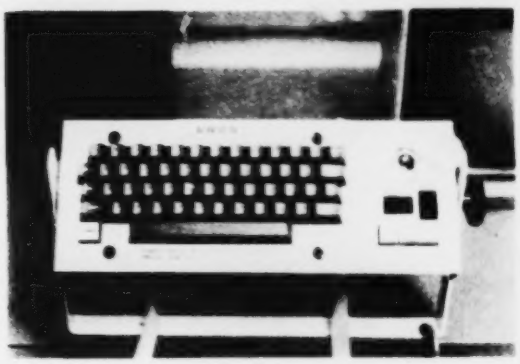
Vendor: Forte Communications, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $295.00

Remote Keyboard is a wireless portable 40-key IBM keyboard that allows the user to control an IBM PC or PS/2 computer from up to 50 feet away. The keyboard consists of a portable touchpad(7" x 2.25" x .5"; 10 oz.), an infrared receiver (4" x 2.5"; 5 oz.) that plugs into a 9- or 25-pin serial port, and software to permit custom programming of the touchpad keys. The software also permits creation of an on-screen pointer that is compatible with CGA, EGA, or VGA graphics. The touchpad includes all alphanumeric keys, 10 function keys, and standard command keys such as Control and Insert.

Remote Keyboard requires an IBM PC or PS/2 with 512K of RAM. A one year limited waranty is included.



Product Name: Remote Keyboard for the Apple II+ and IIe

Vendor: EKEG Electronics Company LTD

Computer: Apple II+, Apple IIe

Cost: $750.00

Remote Keyboards for the Apple II+ and IIe are alternate keyboards for these computers that are modified to allow operation with one hand, stylus, headstick, or mouthstick. Size and layout of keys are exactly the same as the standard Apple keyboards, but several features have been added. SHIFT and CONTROL keys are latching, repeat time is adjustable for the II+ version, and can be extended up to five seconds, and a special joystick that can be operated by headstick or mouthstick has been added, allowing the user access to graphics programs that require a joystick.

Remote Keyboards for the Apple II+ and IIe send the same output to the computer as their standard counterparts, and plug into the keyboard and game paddle sockets. They are mounted on brackets that allow raising, lowering, and tilting.

Product Name: Remote Mouse

Vendor: Forte Communications, Inc.

Computer: Apple Macintosh SE/II

Cost: $295.00

Remote Mouse is a wireless portable mouse that permits the user to execute Macintosh mouse and keyboard functions from up to 50 feet away. The device consists of a receiver which plugs into the ADB port, and a portable mouse pointer. Mouse functions are emulated by moving and clicking the pointer. Contact manufacturer for further information.

Product Name: Revolving Doors

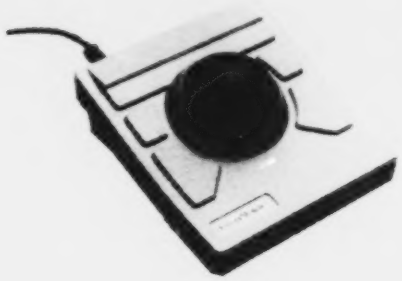
Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Cost: $395.00 - $695.00

Revolving Doors is a single switch scanning program for controlling a Macintosh computer. The program allows the user to type any keyboard key or make any mouse movement using a single switch. An on-screen symbol scans through a series of options for controlling the mouse cursor. Any function that is performed by the mouse such as moving, clicking and dragging can be selected. An accompanying on-screen keyboard provides access to keyboard keys through scanning and also presents predictive lists of words for the user to choose from while typing. Scanning features include automatic snapping to "action regions" (such as the close box on a window), intelligent menu scanning, and adjustable scan speeds.

Revolving Doors requires a switch interface. With a switch interface the cost is $695.00, the software alone is $395.00.



Product Name: Roller Mouse

Vendor: CH Products

Computer: Apple IIGS, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family, Sun Microsystems SPARCstation

Cost: $119.95 - $179.95

RollerMouse is a trackball and four buttons contained in a small box. The user moves the ball manually to emulate mouse functions. Each button activates an additional feature; these include a "click-lock" feature which allows dragging, scrolling, and drawing without holding a button down continously, a total left/right control, and multiple resolutions. The trackball is 2-1/4" inches in size.

There are six versions available for Amiga, Sun, Next, IBM, Macintosh, and Apple computers; prices vary accordingly.

Product Name: Scan 300/S

Vendor: Abaton Technology Corporation

Computer: Apple Macintosh Family, IBM PC Family

Cost: $1,595.00

Scan 300/S is a device that scans a printed page and transfers the image to a computer. Special software (extra) recognizes the characters of the text (letters, numbers, punctuation) and translates them into a computer text file. Once the text is converted to this form, it can be "read aloud" using some alternate output method, such as voice output. The recognition software also allows scanned text to be inserted into several popular word processing or OCR programs. The Scan 300/S accepts single sheets and is able to handle documents up to 8.5" x 14". An SCSI interface is built in.

The Scan 300/S system does not actually provide for voice output or other special output forms; it only converts the printed material to computer text form. The Scan 300/S can also be used to scan images (pictures, etc.) for use in graphics programs. The resolution of the scanner is 300 x 300 dots per inch. A conversion kit is required to use the Scan 300/S system with IBM and compatible computers; contact manufacturer for details.

Product Name: Scanning WSKE II

Vendor: Words+, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $695.00 - $1,395.00

Scanning WSKE (Words+ Software Keyboard Emulator) II is a RAM-resident program that allows an IBM-compatible computer to be used as an integrated augmentative communication/computer access system for single switch scanning users. The system provides dual word prediction, abbreviation expansion, automatic word endings, punctuation spacing, and capitalization, and voice output capability. A One Line Scan option permits the scanning window to be reduced to a single line so that only the row being scanned is displayed. The system runs transparently with applications software, including some graphics programs.

The Bank Street Writer word processor program is included with Scanning WSKE. The voice output option ($1,395.00) will work with most serial port text-to-speech speech synthesizers or SmoothTalker (extra). A No Voice option ($695.00) permits the program to be run without voice output.

Product Name: ScreenDoors

Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Cost: $365.00

ScreenDoors is a collection of on-screen keyboards designed to emulate a standard computer keyboard. The on-screen keyboards can be used to type text by selecting the desired character, number or function with the mouse and clicking the mouse button. The program has a word predictor which will offer the user choices from which to select; predicted words are entered into text like any single character by selecting and clicking the mouse. The user can rely on the built-in dictionary function or program words into the predicting mode. One of the keyboards allows single-switch users to use scanning techniques to make on-screen selections.

ScreenDoors can be used with a variety of inputs including trackballs, joysticks, head pointers, and the mouse. This program is designed for the Macintosh computer as a background application and is compatible with most programs.

Product Name: SenSei

Vendor: Safko International, Inc.

Computer: Apple Macintosh SE/II

Cost: $3,900.00 - $9,500.00

SenSei is a computer based system for computer, telecommunications, and environmental control. Available options include control of electrical appliances (lights, radio, television, electric beds, etc.), telephone control, and control of Macintosh word processing, spreadsheet, drawing, and database software. The system can be controlled through a variety of input devices, such as switches, adapted keyboard, or infrared.

The price of SenSei is dependent on the configuration chosen. The standard unit, which includes a Macintosh LC, a Head Master (see entry), a server, software, and cables, sells for $9,500.00, or may be leased. Software may be purchased alone for $3,900.00. SenSei can be used with any Macintosh; contact manufacturer for information about using SenSei with a Macintosh Plus.

Product Name: Serial Trackball and PS/2 Trackball

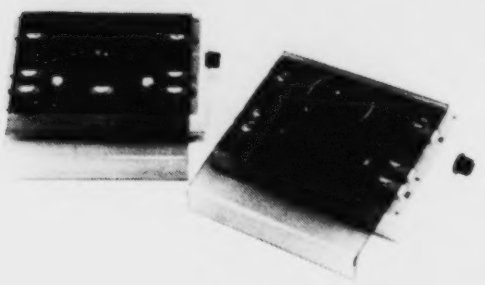
Vendor: ProHance Technologies, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $79.95 - $99.95

The Serial Trackball and PS/2 Trackball are trackballs designed so that the trackball can be moved using the thumb. Three buttons are located above and to the right of the ball. The devices have three speed ranges with resolutions varying from 50 to 800 dots per inch. The Serial model is capable of emulating both the two-button Microsoft Mouse and the three-button PC Mouse, and automatically invokes one of these modes based on the current configuration of the user's system. The PS/2 model emulates the IBM PS/2 standard mouse. Both trackballs come with 14 drivers, allowing them to work with non-mouse software such as WordPerfect and Lotus 1-2-3. A program to build pop-up menus, allowing mouse support to other non-mouse software, is also included.

The Serial Trackball ($79.95) and PS/2 Trackball ($99.95) are compatible with the IBM PC and PS/2 families of computers, respectively. Both models plug into the RS-232 serial port on the computer. A 9-pin to 25-pin adapter for this port is included with both models.



Product Name: Special Needs Tracker Ball & Joystick Module

Vendor: Penny & Giles Computer Products

Computer: Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Cost: $480.00 and up

Special Needs Tracker Ball and Joystick Module are alternate input devices that replace a standard mouse. The Tracker Ball has a 3" diameter track ball for control, while the Joystick model has a joystick lever. Both models have buttons for click, double-click, drag, and restrict-movement horizontal or vertical. Buttons are duplicated on both sides of the unit for use with either hand. Switch jacks are provided so that button functions can be accomplished with external switches. Both models have removeable keyguards; the joystick model also has a pair of metal bars next to the joystick lever for resting the hand while moving the lever. A rotary switch on the side of the unit allows cursor movement speed to be set.

Special Needs Tracker Ball and Joystick Module can be connected to a variety of computers, including Macintosh, IBM PC, IBM PS/2, BBC, and DEC, Sun and Archimedes workstations.

Product Name: Speech Secretary Systems

Vendor: Applications Express, Inc.

Computer: IBM PC Family

Cost: $1,695.00 - $9,425.00

Speech Secretary Systems are software and hardware packages which have voice recognition capability. The systems come in several different configurations. Speech Secretary I can recognize up to 500 isolated words or phrases and has a macro ability which can handle up to 1,000 characters per spoken word; this series also featured speech synthesis output. Secretary Secretary II can recognize up to 1,000 isolated words and phrases and has a 1,000 characters per spoken word macro ability; it also features speech output and an optional package for control of Microsoft Windows. Secretary Entry, Intermediate, and Advanced systems all have HandiWORD predictive software; Entry can recognize a vocabulary of 300 active words, Intermediate handles 800 words, and Advanced recognizes 2,200 words. On the Entry, Intermediate, and Advanced systems, speech synthesis output is an available option.

All five versions come with a headset microphone. Other system components and options vary; contact the manufacturer for more information about a specific system.

Product Name: SpeedScan

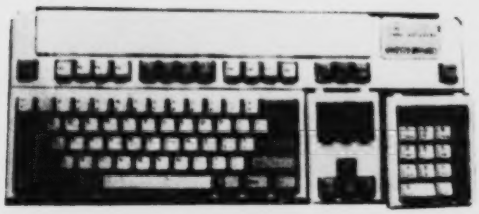
Vendor: Pointer Systems, Inc.

Computer: IBM PC Family

Cost: $695.00

SpeedScan is a single or dual switch scanning program which allows the user to input text and commands at an increased rate. Customizable on-screen key images contain a highlight which scans to provide key input instead of, or in addition to, the standard keyboard. Scanning rate is increased by using two modes. A double click cancels the current scan and reverses scan direction. Also, if the user holds the selection switch closed, the scan rate is temporarily increased; when the switch is released, scanning continues at the normal rate. SpeedScan features phrase prediction and word prediction as well.

A parallel port is adapter is provided for switch attachments. Standard switches with 1/8" connectors are required and are not included.



Product Name: Switchboard

Vendor: Datadesk International

Computer: Apple II Family, Apple Macintosh SE/II, IBM PC Family, IBM PS/2 Family

Cost: $239.00 - $447.95

The Switchboard is a keyboard whose layout can be arranged into six different configurations. The keyboard is split into sections (alpha, numeric, and cursor keypads) which can be placed into the keyboard housing in any order the user desires. Once configured, the keyboard as a whole can be tilted into three positions. The Switchboard features a trackball, a vertical set of 15 function keys, a 24-key module of programmable macro keys suitable for 3270 emulation, and a Dvorak alpha numeric pad.

The Switchboard is compatible with both IBM and Macintosh computers.

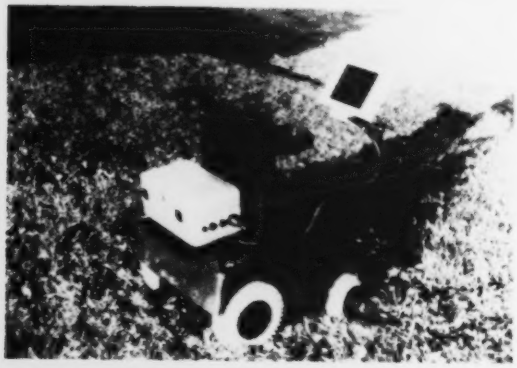
Product Name: SwitchMouse

Vendor: OMS Development

Computer: IBM PC Family, IBM PS/2 Family

Cost: Contact manufacturer

SwitchMouse is a switch-controlled mouse emulator for use with Microsoft Windows. Users can use one or two ability switches or an Atari-style joystick attached to a serial or parallel port to move the Windows mouse cursor, click and drag. The program provides multiple scanning modes for selection of mouse direction. SwitchMouse can be interfaced to the EEK program (see separate entry) to allow text entry by directed scanning. The program is supplied with one switch adapter (specify serial or parallel); switch is not included.



Product Name: Synergy Computer System

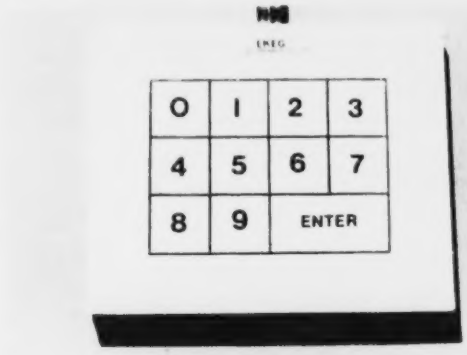
Vendor: Adaptive Innovations

Computer: IBM PC Family

Cost: $5,875.00

The Synergy Computer System is a portable computer with a flat screen that can be plugged into a wheelchair battery. The Synergy computer is modeled on laptop computers but it can accept any IBM compatible component and can have all the capabilities of a desktop computer system. The Synergy computer is modular and can be attached in front of a wheelchair. By installing a speech synthesizer and adaptive software (extra), the system can act as an augmentative communication device.

A variety of inputs can be used including a single switch, joystick, headmouse, and keyboard. The Synergy Computer System components include: CPU with six sixteen bit slots and two eight bit slots, two serial ports, two parallel ports, one game/joystick port, 1.44 MB 3.5" floppy drive, 40MB hard drive, separate flat panel display, 84-key keyboard, and power supply with connector for wheelchair battery.



Product Name: Ten Key Board

Vendor: EKEG Electronics Company LTD

Computer: Apple II+, Apple IIe

Cost: $250.00

Ten Key Board is a alternate keyboard for the Apple II+ or IIe computers consisting of ten 2" squares, each of which corresponds to a digit zero through nine, and a larger ENTER key. Ten Key Board is designed for use with the Trace Center's Talking BlissApple program, with which it can be used to accelerate the selection of symbols, by bypassing the scanning otherwise necessary for selection. The Board can also be used with overlays for a child with a maximum Bliss vocabulary of nine symbols. Ten Key Board can also be used with other programs which allow the user to input using the numbers zero through nine.

Ten Key Board plugs into the numeric keypad socket of the IIe and behind the keyboard of the II+. A keyguard for the Board is available (extra).

Product Name: Thumbelina

Vendor: Appoint

Computer: Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Cost: $99.00

Thumbelina is a micro trackball which is used to emulate a mouse. The user manually moves the tiny trackball within its casing and presses three buttons to perform mouse functions. Thumbelina can be mounted onto standard and laptop keyboards or remain unattached simply using the provided cable.

This trackball comes in three models: PC, Portable, and MAC. The PC model is beige, works with IBM and compatible systems, and has a nine foot cable. The Portable is for IBM and compatible notebook and laptop systems and has a three foot cable. The MAC model is for use with current Apple systems and is gray in color.

Product Name: Turbo Mouse 4.0

Vendor: Kensington Microware Limited

Computer: Apple Macintosh Family

Cost: $169.95

Turbo Mouse 4.0 consists of a trackball surrounded by a small box and custom software. The user moves the trackball manually to emulate mouse functions. Two "click" buttons are provided, so that the product may be optimally used by left- and right-handed users. The custom software allows the buttons of the trackball to be programmed to emulate specific mouse functions. Other features include a slow cursor, advanced acceleration, and customizeable application settings. Turbo Mouse requires less hand movement than a regular mouse, and the track ball requires minimal finger movement.

Turbo Mouse 4.0 works with System 6.05 or higher and has two ADB ports located in the back of the trackball.

Product Name: Turbo Trackball

Vendor: Asher Engineering Corporation

Computer: Apple IIGS, Apple IIc, Apple IIe, Apple Macintosh Family

Cost: $99.95

The Turbo Trackball consists of a trackball encased in the center of a small box. The user moves the trackball to emulate mouse functions. Two buttons below the trackball allow the user to emulate the "click" function on the standard mouse and to provide a lock feature (so that, for example, a menu will stay held down without requiring the user to continually press a button).

The Turbo Trackball is available in three models. Model LX200-192-D1 is for Macintosh 512 and Plus models and Apple IIe and IIc; Model LX200-192-S1 is for Macintosh SE and II; and Model LX200-192-S3 is for Apple IIGS.

Product Name: Twiddler

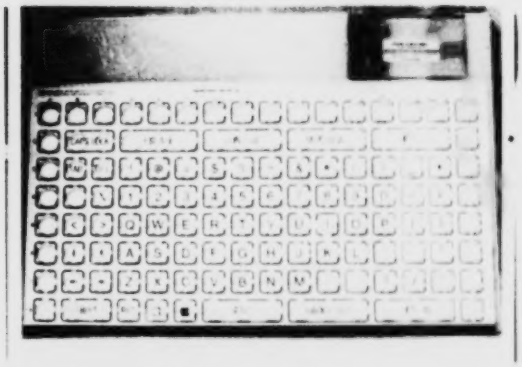
Vendor: Handykey Corporation

Computer: IBM PC Family

Cost: $199.00

The Twiddler is a hand-held device which emulates both the standard computer keyboard and the mouse. The unit plugs directly into the keyboard and serial ports of the computer. The device is held in either the right or left hand and has 12 finger keys and 6 thumb keys which emulate the 101 keys of a standard keyboard. The keyboard functions are activated by pressing "chords" or one or more keys at one time with up to 4,000 combinations possible. The user can customize macro chord commands. To use the device like a mouse, the user must press the mouse key with his or her thumb. Tipping the device back and forth causes the pointer on-screen to move up or down; moving Twiddler side to side moves the pointer left and right. The device can be used in parallel to another keyboard; it also has a joystick mode which can operate many mouse-driven games.

The Twiddler is compatible with IBM computers and works with all DOS or Microsoft Windows 3.0 software.



Product Name: Unicorn Membrane Keyboards

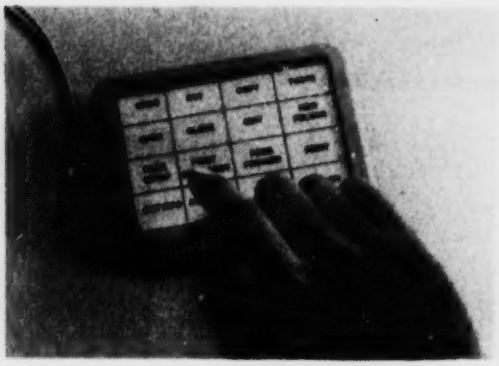
Vendor: IntelliTools, Inc. (formerly Unicorn Engineering)

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family, IBM PC Family

Cost: $250.00 - $315.00

Unicorn Membrane Keyboards are programmable membrane keyboards with 128 touch-sensitive areas ("keys"). The keyboards have 128 keys, which may be grouped together to form larger keys. Each key, when touched, can output a predefined character or message to the computer. These messages, or "setups," can be saved on disk. When used with a speech synthesizer, each key can be used to output setups in spoken form. The keyboards have a clear plastic cover; overlay sheets may be placed between the keyboard and this cover to indicate the setups associated with each key.

Two models are available: Model II (14.3" x 21.25" x .5" with an active area of 10" x 20", 3.7 lbs., $315.00) and Model 510 (7.63" x 11.88" x .75 with an active area of 5" x 10", 1.4 lbs., $250.00). The keyboards must be used with appropriate interfaces: Adaptive Firmware Card for Apple II computers, Ke:nx for Macintosh computers; contact manufacturer for information on compatible IBM interfaces. Keyguards, keyboard accessories, and software programs are also available for use with the Unicorn keyboards; contact manufacturer for further information.



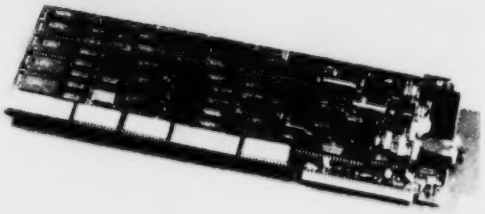
Product Name: UnMouse

Vendor: MicroTouch Systems, Inc.

Computer: Apple Macintosh Family

Cost: $199.00

The UnMouse is a touch-sensitive tablet used for mouse emulation, graphic input, and function key selection. The UnMouse is an absolute pointing device, meaning that the touch points map directly to corresponding points on the computer screen; the tablet resolution is 1,000 x 1,000 touch points. Touching the glass plate on top of the tablet with a finger or stylus (included) moves the cursor to the desired location, much like a touch screen. Pressing with a pre-set amount of force emulates the mouse button click. A button on the left of the tablet may be pressed to enter function key mode for a set length of time. Function key mode allows a function to be selected from a template placed between the glass plate and the control box. Five preprinted templates for popular programs are included along with blank templates for customization. Drawing may be done using the stylus or a mechanical pencil. An image may also be placed under the glass plate and traced.



Product Name: Voice Card

Vendor: Votan

Computer: IBM PC Family

Cost: $1,800.00 - $2,700.00

The Voice Card is a plug-in circuit card for the IBM-PC and compatibles that provides the capability to enter data and commands by voice. Utterances of more than one word can be recognized when spoken continuously (without pauses). The card's memory can store up to 300 continuous voice templates and up to 425 isolated (one-word) voice templates. Additional templates can be stored in the computer's memory and retrieved when needed. The computer's keyboard continues to operate while the Voice Card is engaged. The Voice Card can also digitize, store, and play back speech, so pre-recorded speech output can also be added to programs with the card. Input and output for the Voice card can be transmitted via telephone.

Software options available for the Voice Card include VoiceKey (a program that allows a single utterance to trigger a sequence of up to 80 characters and voice input to replace keystrokes) and a Software Development Toolkit that allows the development of various custom applications. The card is $1,800.00; a package, including software, is available for $2,700.00. An extra disk drive and 256K of RAM are required to run the software.

Product Name: Voice Express

Vendor: MacSema

Computer: Apple Macintosh SE/II

Cost: $299.95

Voice Express is a combination of computer software and hardware which allows spoken commands to replace the use of a keyboard or mouse. The hardware is a Nubus card which has its own processor and memory so that voice patterns are stored and read directly to the card's memory. The user can access the card directly from anywhere including Hypercard. Application software lets the user train and test words before using them with applications. The special software also allows the user to control menu functions by voice or by creating macro commands for the keyboard.

Voice Express is compatible with Macintosh II computers and all applications written for that series of computers.

Product Name: Voice Master Key System and Key System II

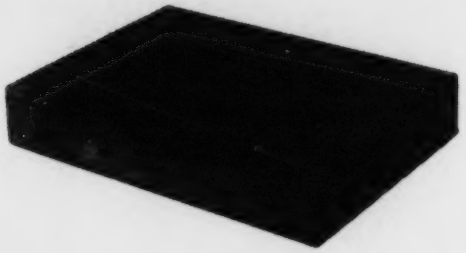
Vendor: Covox, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $199.95 - $239.95

Voice Master Key System and Key System II (formerly Voice Master-T) are hardware/software systems that allows speech recognition to be added to most DOS-compatible software, or sound files to be added to programs written in BASIC, C, or assembly language. The user uses the speech recognition feature to vocally "train" the system to recognize up to 1,024 words. Each trained word has a corresponding voice-activated macro. Both words and macros are user defined. The sound file feature includes two record and edit programs and data compression utilities. Sound files can be incorporated into the voice recognition program so that a verbal response can accompany the voiced command.

All sounds the user intends to play back must first be digitally recorded (digitized) before they can be played back. Memory requirements are 48K of RAM, or 6K of RAM if using extended memory. Voice Master Key System ($199.95) uses a 6" x 4" plug-in card that fits inside the computer. Voice Master Key System II ($239.95) uses a 6" x 5" x 3" external controller box. Both systems come with headset/microphone, software, and user manual; Key System II also includes printer cable and AC adapter.



Product Name: Voice Navigator SW and II

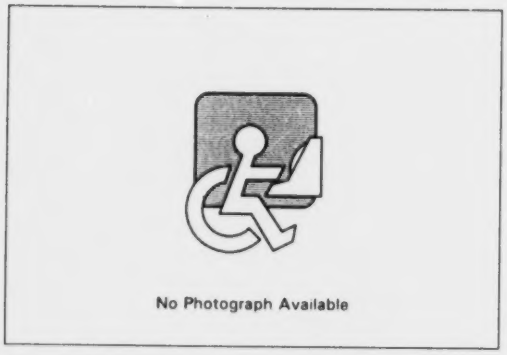
Vendor: Articulate Systems, Inc.

Computer: Apple Macintosh Plus,
Apple Macintosh SE/II

Cost: $399.00 - $699.00

The Voice Navigator SW and II are personal voice recognition systems. The systems can be voice trained by the individual user (voice training takes about 10-20 seconds per word) and then used by that individual to execute functions usually done with the mouse, including menu selection, control of graphic tools, and limited text entry. Templates are included so that the user may program vocabularies for standard Macintosh applications; a custom vocabulary compiler is also included. The systems can accommodate voice training by multiple users; each user's speech is stored as a separate file. Sound digitizing and playback are included.

The Voice Navigator II is hardware and software, and can utilize up to 200 words at a time; an upgrade is available for up to 1000 words. A Macintosh with 1 MB of RAM (2 MB if a large application will be used), a hard disk, and SCSI cables are required for this version, which works with all Macintoshes that are not sound-capable. The Voice Navigator SW is software only and is for Macintosh Classic II, LC, LCII, Powerbooks, and Quadras. Either a desktop or headset microphone is included. Options include a voice recognition telephone dialing and answering package, and a 300/1200/2400 modem and fax.



Product Name: Voicebox

Vendor: Voice Recognition Technologies, Inc.

Computer: IBM PC Family, IBM PS/2 Models 25/30

Cost: $750.00

Voicebox is a system that permits IBM PC computers to be operated by vocal commands. Voicebox consists of a half card that fits in one expansion slot (8 bits), a hand-held microphone, voice recognition software, an instruction manual, and a tutorial diskette. The user trains the software to recognize her voice up to 500 words or short phrases per application (e.g., 500 for running a word processing program, 500 for running a spreadsheet, etc.); each "word" may represent up to 754 keystrokes. Once a set of words or phrases (called a "template") for a specific application has been trained, the template may be invoked and use to run DOS-based software.

Other than the voice training, no programming is required to use Voicebox. Multiple users can be accommodated; the number of users and templates is limited by the amount of hard disk space. Voicebox is $750.00; a headset microphone is available for $150.00.

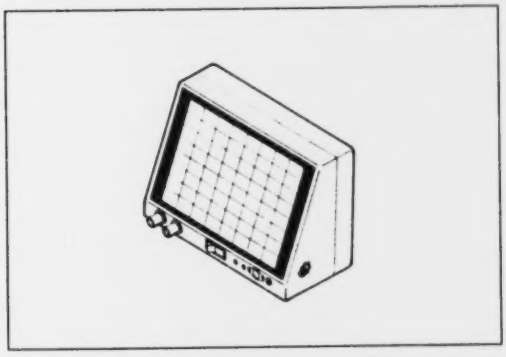
Product Name: WiViK (Windows Visual Keyboard)

Vendor: Prentke Romich Company

Computer: IBM PC Family, IBM PS/2 Family

Cost: $250.00

WiViK is a software program which provides the user with an on-screen keyboard. This display enables to the user to enter text into any application within the Windows 3.0 environment with any pointing device that emulates a standard mouse. The program may be customized for key arrangment, width, lables, label fonts, and spacing. Macro abbreviations of text can be defined by the user. Multiple keyboards can be displayed at one time. The standard keyboard and mouse are unaffected by the use of a visual keyboard. WiViK also has sticky key and quick shift features. Specific features which provide support for touchscreen and headpointer applications are included as well.



Product Name: Zygo TETRAscan II

Vendor: Zygo Industries, Inc.

Computer: Apple II+, Apple IIe, Commodore 64, IBM PC Family

Cost: $2,475.00

Zygo TETRAscan II is an alternate computer keyboard that uses scanning. Each selection area represents a key on a computer keyboard. The user may make selections by a row-and-column scanning method (single switch), or by directed scanning (multiple switches). Speed and timing of scanning are adjustable. The device's 4K of user-programmable memory allows the user to program information into 156 locations so that selection of a single message area sends a combination of characters to the computer. Audible feedback is provided for each "key" activation.

The cost of TETRAscan depends upon the type of computer interface desired. Some of the connectors include a 7-pin DIN jack for multi-switch, a mini-phone plug for single switch, or two 16-pin flat ribbon connectors for the computer. Complete standard keyboard key selections are available for all computers for which interfaces are available.

Chapter 12

Input Devices Usable with Only Some Software

This chapter includes special input devices that can be used with computers but which do not provide "transparent" access; that is, they do not allow the user to operate all software that could be operated with an equivalent "standard" input device, such as a keyboard or mouse. Instead, these input devices are designed to be used in conjunction with software written expressly for them. If a special hardware or software adaptor is available that converts the input device to a transparent input device, then it is listed in Chapter 11 rather than here.

The title of this chapter is not meant to imply that these input devices are any less useful than the ones listed in Chapter 11, only that they require software written expressly for them. Many have substantial catalogs of popular compatible software. Contact the manufacturer of a particular device for information on compatible software.

Devices in this chapter are cross-listed by Input Type in Index 2. Appendixes A-C contain information briefs of interest, including: Newsletters and Publications; Associations, Advocacy Groups and Self-Help Groups; Training Programs in Technology for Special Education; Software Resources; and others.

The following product entries appear in this chapter:

AbiliCad, *377*
BEST Buttons, *377*
Hand Controls, *378*
KoalaPad+, *378*
Muppet Learning Keys, *379*
Switch-Back, *379*
TouchWindow, *380*
VoiceCAD, *380*

The following products from other chapters can also be used as Input Devices Usable with Only Some Software:

Electronic Talk Board, *731*
Play and Match, *652*
Voice Master Key System and Key System II, *371*

Product Name: AbiliCad

Vendor: AbiliTech Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $300.00 - $2,000.00

AbiliCad is a software program that permits the use of alternative input devices to operate the computer aided design program AutoCAD (extra). The program has a menu system which permits access to alphabetic, numeric, and function keys within AutoCAD. All standard AutoCAD commands, plus some additional commands, are included in the menu system.

AbiliCad is available in two configurations: one for use with standard mouse pointing devices as well as mouse emulating devices such as trackballs, joysticks, HeadMaster (see entry), and FreeWheel (see entry), and one for keyboards and keyboard emulating devices such as Light Talker and Touch Talker (see entries). Price does not include input device.

Product Name: BEST Buttons

Vendor: BEST, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

BEST Keys is a 12" x 7.5" alternate computer keyboard divided into eight recessed 2" x 2" keys which can be assigned to different tasks. Each key can be programmed to represent any key, string of keys, or macro. BEST Keys are designed particularly for software that utilizes a limited number of keys, such as games, communication programs (including Morse Code) and public domain software.

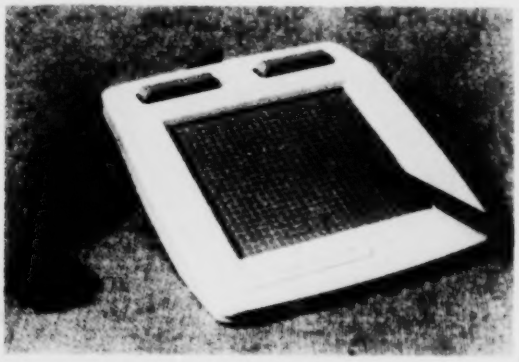
Product Name: Hand Controls

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe

Cost: $30.00

Hand Controls are a set of two push switches meant to be used with the Early Learning programs from Marblesoft. The buttons are clearly labeled "YES" and "NO," the two choices the program offers in its switch mode.



Product Name: KoalaPad+

Vendor: Koala Acquisitions Inc.

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family, IBM PS/2 Family

Cost: $139.95

KoalaPad+ is a pressure-sensitive graphics tablet that plugs into the game port. The tablet has two control buttons for selecting menu items without using a keyboard. Two graphics packages are included: Koala Painter, which allows the user to use the tablet like pen and paper, and Graphics Exhibitor, which has print, label, cut, paste, and slide show capabilities.

The KoalaPad+ tablet can also be obtained with Dr. Halo III painting and drawing software for IBM computers; contact Koala Acquisitions for details on purchasing that version.

Product Name: Muppet Learning Keys

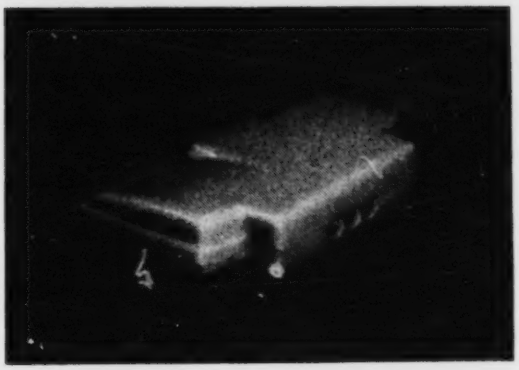
Vendor: Wings for Learning/Sunburst Communications

Computer: Apple II Family, Apple Macintosh Family, Commodore 64, IBM PC jr

Cost: $129.00 - $199.00

Muppet Learning Keys is an expanded membrane keyboard for Apple II, IBM PC jr/PS2, and Macintosh computers. The keyboard's 83 keys are covered with color cartoons of Jim Henson's Muppets characters illustrating the various functions of the keys.

Muppet Learning Keys is not equivalent to a standard keyboard but must be used with some program that defines a meaning for each key or group of keys. The program provided with the keyboard uses color animated graphics and music to teach letters, numbers, and colors. Some other programs available which use the Muppet Keys are the PEAL Series (PEAL Software) and the Muppet Slate (Wings for Learning/Sunburst Communications). Contact Wings for Learning/Sunburst about other programs available or in development. The Apple II and IBM models are $129.00; the Macintosh version is $199.00.



Product Name: Switch-Back

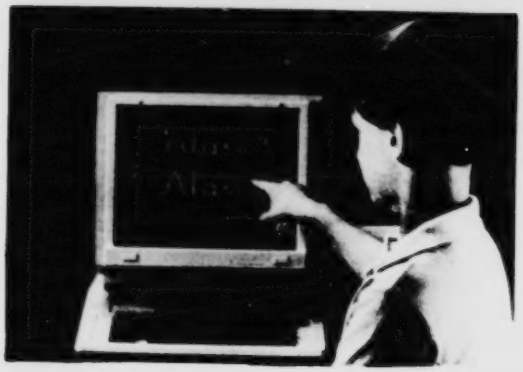
Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Cost: $395.00

Switch-Back is a switch interface which connects simple switches to an Apple Macintosh computer that has Desktop Bus firmware. The device accepts from one to six switches and may be connected anywhere on the Apple Desktop Bus (ADB). Switches are plugged into stereo jacks in the back of Switch-Back. When a switch is activated the computer thinks a function key on the keyboard has been pushed. Software tasks can be assigned to function keys F10 - F15 for switches 1 - 6; pressing the switch will activate the specific function. Possible applications include remote on/off and computer logging of phone calls. Such applications can be set up by connecting external input switches to the computer and customizing desired functions using macro programs.

The Switch-Back device comes with an ABD cable and documentation. ABD firmware and input switches are not included.



Product Name: TouchWindow

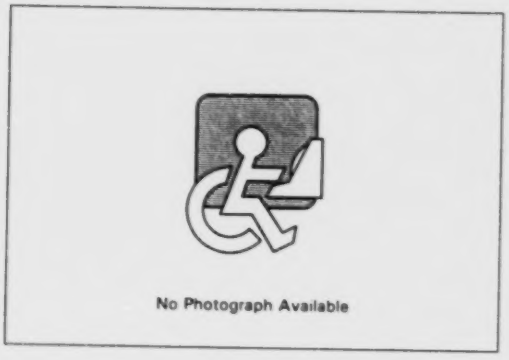
Vendor: Edmark Corporation

Computer: Apple II Family, Apple Macintosh Family, Commodore Amiga, IBM PC Family

Cost: $275.00 - $350.00

TouchWindow is a transparent plastic screen that fits over a computer monitor. When TouchWindow is used with compatible software, touching the screen with finger, stylus, etc. will generate input to the computer. Selection of commands, composition of graphics, and other functions can be performed. Pressure activates only the pixel at the very center of the area touched. TouchWindow can be removed from the monitor and used like a graphics tablet.

Software produced by the manufacturer for use with TouchWindow includes programs for word processing, spread sheets, management information systems, recreation, education, and writing customized programs. Software has also been written for TouchWindow by other companies. Contact the manufacturer for details. Talking TouchWindow, an authoring program for creating TouchWindow applications, is available for $79.95. TouchWindow models are available for Amiga, Apple II, IBM, and Macintosh computers. The IBM version comes with mouse emulation software for use with mouse-compatible software.



Product Name: VoiceCAD

Vendor: Voice Technologies

Computer: IBM PC Family

Cost: $1,095.00

VoiceCAD is a voice input system for use with the computer aided design program AutoCAD (extra). The VoiceCAD package consists of a voice board, headset microphone, and software with a preprogrammed vocabulary of 473 commands and phrases. The user trains the system to recognize particular voice patterns, and may then use up to 200 commands at a time to execute AutoCAD functions, including those in the AutoCAD Draw, Edit, Display, Modify Layer, Drawing Mode, and Entity Creation menus. The system can store the voice training for multiple users; the user identifies herself during a log-on process.

Chapter 13

Input Adapters for Computers

This chapter covers special adapters that go between adaptive devices (switches, controls, keyboards, etc.) and the standard computer. These adapters have no function in and of themselves except to act as an adapter to allow the special input device to be plugged into the computer. The adapters may simply adapt from one type of connector to another (for instance a box that connects switch plugs to a joystick plug), or they may provide more sophisticated functions (for example keyboard emulating interfaces for adapting communication aids to computers).

Related functions cross-listed in Index 1 include Keyboard Emulating Interface (KE) and Switch or Control (SW).

Appendixes A-C provide a wide variety of resources of interest to disabled computer users, such as Newsletters and Publications; Associations, Advocacy Groups and Self-Help Groups; and Books and Pamphlets.

The following product entries appear in this chapter:

Apple Computer Input Adapter, *383*
BEST Switch Interface, *383*
Computer Switch Interface, *384*
DA-II Adapter, *384*
Expanded Keyboard Interface, *385*
Input Adapter, *385*
Interface Box for Apple II, *386*
Internal I/O Port Adapter, *386*
Joystick Replacer Box, *387*
Keyboard Expander, *387*
Keyboard Interfaces, *388*
Macintosh Switch Interface (M09), *388*
Multiple Switch Box, *389*
Multiple Switch Box Kit, *389*
Paddle Panel, *390*
Porter, The, *390*
PowerPort, *391*
PSS Joystick Adapter, *391*
R/S IV Series Wireless Link, *392*
Switch Interface, *392*
T-TAM Keyboard and Mouse Emulator, *393*
Universal Input Adaptor, *393*
Wireless Data Transmission System, *394*

The following products from other chapters can also be used as Input Adapters for Computers:

Access Pack for Microsoft Windows, *256*
AccessDOS, *256*
Adaptive Firmware Card Model G32e, *298*
AID+Me Programmable Keyboard, *299*
One Access, *346*
SynPhonix 210 and 215, *456*
SynPhonix 220 and 225, *456*

Product Name: Apple Computer Input Adapter
Vendor: Toys for Special Children, Inc.
Computer: Apple II Family
Cost: $41.00

Apple Computer Input Adapter is an adapter which allows special single or dual switches to be used with appropriate software. The Adapter accepts one or two switches and connects to the I/O port of an Apple computer.

Product Name: BEST Switch Interface
Vendor: BEST, Inc.
Computer: IBM PC Family
Cost: $125.00

BEST Switch Interface is an interface that allows from one to three switches to be connected to a computer and used in place of any three keys on the keyboard. Software is included to allow the user to define which keys the switches will activate. If desired, the Shift, Control and Alt keys can be activated.

Several programs have been written specifically to work with the BEST Switch Interface, including BEST Faces and Colors and Shapes (from BEST, Inc.) and R.J. Cooper's single switch software. The product comes with four public domain game programs for use with three switches.

Product Name: Computer Switch Interface

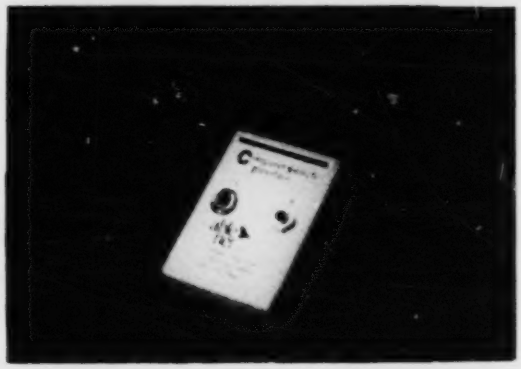
Vendor: AbleNet, Inc.

Computer: Apple II Family

Cost: $36.00

Computer Switch Interface is an adapter that allows one or two switches to be connected to an Apple II computer via its game port, like a joystick. The switches need to have mini-phone plugs, and the output connector is a 9-pin D game port connector. An adapter is also available to adapt the output connector to the older 16-pin internal game port connector in Apple II computers.

The Computer Switch Interface is meant to be used with software that accepts input from one or two switches.



Product Name: DA-II Adapter

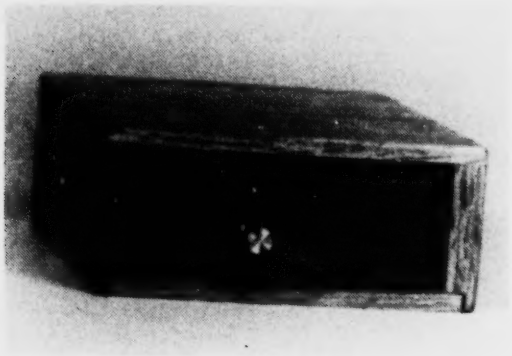
Vendor: DU-IT Control Systems Group, Inc.

Computer: Apple II Family

Cost: $225.00

DA-II Adapter allows DU-IT proportional controllers to be connected into the game input of an Apple II computer. The DA-II can also serve as the input for some games, simulations, or graphically driven programs. The selector switch of the connected controller can be routed to either the Switch Out (SWO) or Switch In (SWI) inputs of the computer, and there are jacks so that other switches can be connected to these inputs.

The DA-II package includes the adapter, BCPS power supply, and a Proportional Simulations program that allows the user to simulate various DU-IT processes and products.



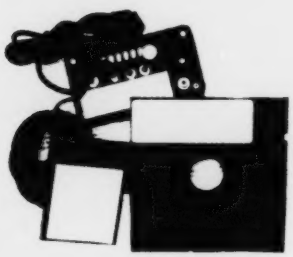
Product Name: Expanded Keyboard Interface

Vendor: InvoTek Corporation

Computer:

Cost: $295.00

Expanded Keyboard Interface is a device which allows expanded keyboards to be connected to the "Wolf" family of communication aids (MegaWolf, WhisperWolf, A.I.P.S. Wolf; see separate entries). The interface works with the Talking EyePoint Board, the Unicorn Keyboard and the PowerPad. Four switches can also be connected to the interface and used for moving between "pages" of vocabulary on the Wolf. The Expanded Keyboard Interface is battery powered and portable.



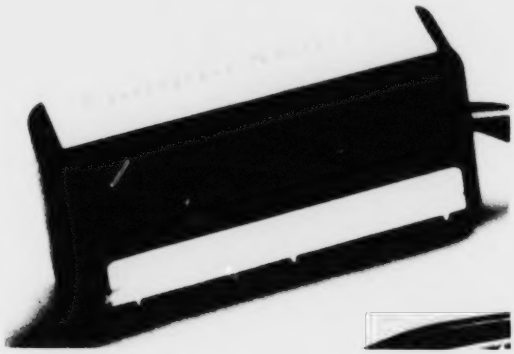
Product Name: Input Adapter

Vendor: Life Science Associates

Computer: Apple II Family, IBM PC Family

Cost: $99.00

The Input Adapter plugs into the game port of Apple II or IBM-PC family computers to permit switch input to computer programs. Four mini phone-plug sockets for plugging in switches are located on the interface box. The Input Adapter was designed to work with Life Science Associates' computer programs, but may be used with other applications requiring switch input.

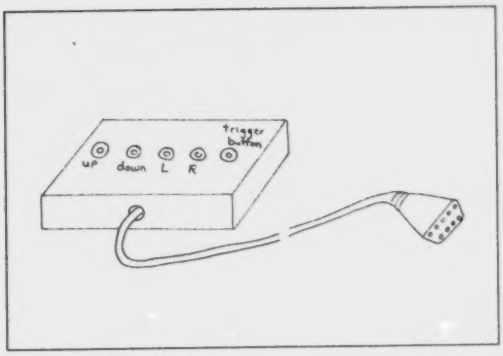


Product Name: Interface Box for Apple II
Vendor: ComputAbility Corporation
Computer: Apple II Family
Cost: $39.95

The Interface Box for the Apple II allows input to be made to the computer by one or two switches. It plugs into the game port of the Apple II with a 16 pin connector and allows use of any switches with mini-phone plugs.

Product Name: Internal I/O Port Adapter
Vendor: AbleNet, Inc.
Computer: Apple II Family
Cost: $13.00

The Internal I/O Port Adapter is a converting cable designed to provide a 9-pin joystick port for Apple II+ and older model computers which do not have such a port.



Product Name: Joystick Replacer Box

Vendor: Burkhart, Linda J.

Computer: Commodore 128, Commodore 64, Commodore VIC 20

Cost: $29.95

Joystick Replacer Box is an adapter that allows up to five switches to act in place of a joystick for a Commodore 64, 128 or VIC-20. If all five switches are used, pressing each one corresponds to up, down, left, right, and "fire" on the joystick. The Joystick replacer box with switches can operate any software designed to be operated with a joystick on these Commodore computers. A short program is provided which will control the 64-Talker or the VIC-Talker speech synthesizers.

A special set of five treadle switches for the Joystick Replacer Box is available from Linda Burkhart ($40.00). The Joystick Replacer Box can also control the Light Talker communication aid (from Prentke-Romich Company), when that aid is used in the joystick mode.

Product Name: Keyboard Expander

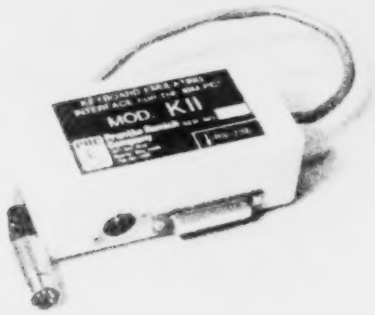
Vendor: Regenesis Development Corporation

Computer: IBM PC Family, IBM PS/2 Models 25/30

Cost: $340.00

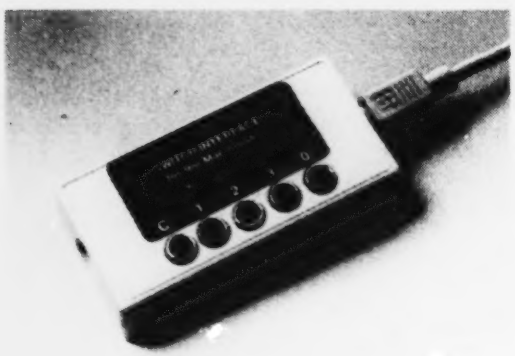
The Keyboard Expander is a software and hardware combination that permits customization and redefinition of keys on any expanded keyboard. The Keyboard Expander also permits user definition of the amount of time that a user needs to hold down a key before it repeats and before it produces a letter on the screen. The software component is memory-resident; the hardware consists of a specially designed half-length card that fits inside the computer. The software can hold 9 keyboard layouts in its memory at one time, allowing up to 1,152 keys and/or messages on a Unicorn keyboard (see entry) and 576 keys and/or messages on a TASH Mini keyboard (see entry). The software can define both keyboard keys or messages on the same keyboard layout, and works in all text and graphic modes.

The system requires 64K of memory. A cable is supplied for connecting a Unicorn or Mini keyboard to the Keyboard Expander.



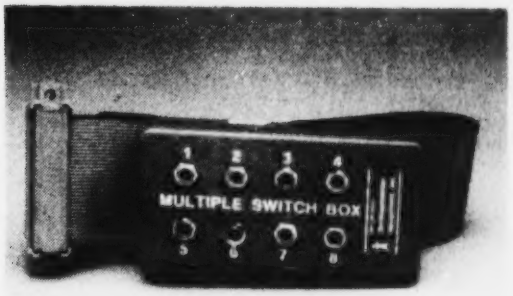
Product Name: Keyboard Interfaces
Vendor: Prentke Romich Company
Computer: Apple II Family, IBM PC Family
Cost: $370.00 - $455.00

Keyboard Interfaces are adaptive devices that accept ASCII characters from some input device (such as an electronic communication aid) and translate them into signals that a computer will interpret as keystrokes from a standard keyboard (see glossary: keyboard emulating interface). The standard keyboard can remain active while the interface is connected.



Product Name: Macintosh Switch Interface (M09)
Vendor: Don Johnston Developmental Equipment
Computer: Apple Macintosh Family
Cost: $135.00

The Macintosh Switch Interface can be used to substitute single switch activations for mouse clicks or the numbers 1, 2, 3, and 0. The interface plugs into a Macintosh's ADB port. Up to four switches may be plugged into the device and used for numbers 1, 2, 3, and 0. An additional switch may be plugged in to emulate a mouse click. The device will send Open Apple and Closed Apple commands to run single switch Macintosh programs or Apple IIe programs when run on a Macintosh LC in Apple IIe emulation mode.



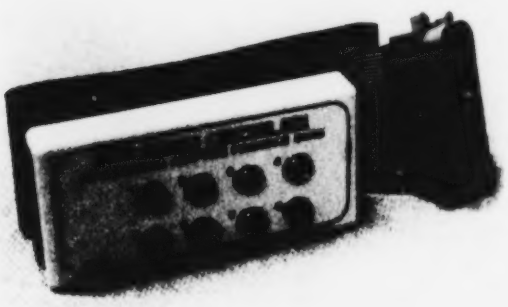
Product Name: Multiple Switch Box

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIe

Cost: $65.00

The Multiple Switch Box works with the Adaptive Firmware Card (extra; see entry) to permit connection of up to eight switches to the computer as direct-selection input devices. Each switch is defined as if it were a character or series of characters on the keyboard.



Product Name: Multiple Switch Box Kit

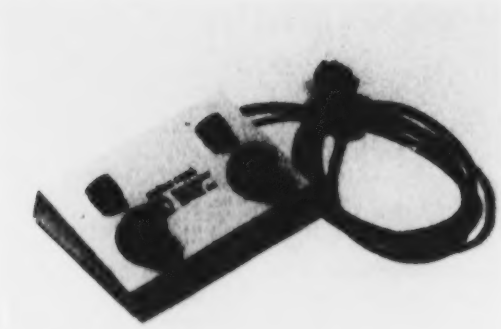
Vendor: ComputAbility Corporation

Computer: Apple II Family

Cost: $150.00

Multiple Switch Box Kit is an adaptive device used to connect up to eight single switches to an interface. Switches can be used to send selected commands to the computer. Four specially designed picture switches are also included with the kit.

The Multiple Switch Box interfaces with an Adaptive Firmware Card, PC Serial Aid, or AID+ME (extra; see entries).



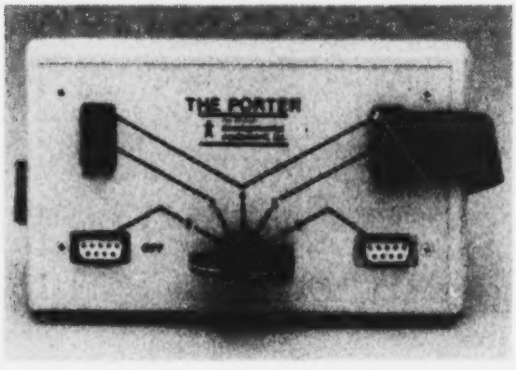
Product Name: Paddle Panel

Vendor: Psychological Software Services, Inc.

Computer: Apple IIc, Apple IIe, Atari Family, IBM PC Family

Cost: $50.00

The Paddle Panel is a replacement for hand-held game paddle devices designed to allow better control as well as bilateral manipulation activities. Paddle Panel has two buttons and two knob controls, and plugs directly into the game I/O port on the back of the computer.



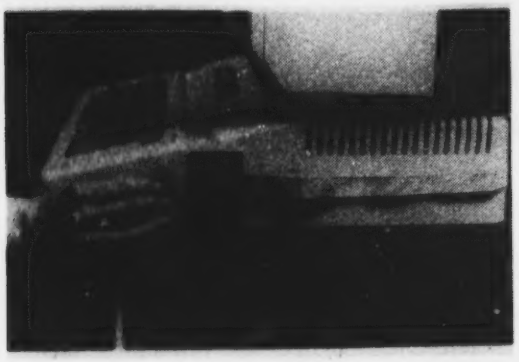
Product Name: Porter, The

Vendor: Don Johnston Developmental Equipment

Computer: Apple II Family

Cost: $99.50

The Porter is a multi-port extender enabling up to four alternative input devices to be attached to the computer simultaneously. The Porter has two 16-pin game input/output ports and two 9-pin joystick ports. A dial selector allows access to peripherals such as joysticks, KoalaPad, TouchWindow, Muppet Learning Keys, PowerPad, and Switch Interfaces (see entries).



Product Name: PowerPort

Vendor: Dunamis, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $49.95

The PowerPort provides access to the internal game input/output connection by extending one 16-pin port to the outside of the computer. The PowerPort is also designed to allow the PowerPad (extra; see entry) to be connected to the computer even when non-PowerPad software is being run. An On/Off switch on the PowerPort allows the PowerPad to remain plugged in when not in use.

Product Name: PSS Joystick Adapter

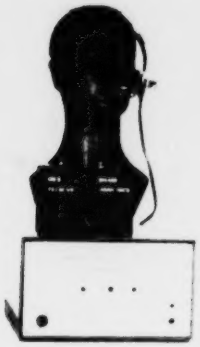
Vendor: Psychological Software Services, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $45.00

PSS Joystick Adapter is an adapter to allow utilization of digital type joysticks with the Apple computer. One flip switch toggles from normal operation to joystick mode.

Regular Apple controllers can be plugged into the Apple IIe with no interference from this device. A Select-A-Port device is recommended for use with an Apple II+; contact Psychological Software Services Inc. for more information.



Product Name: R/S IV Series Wireless Link

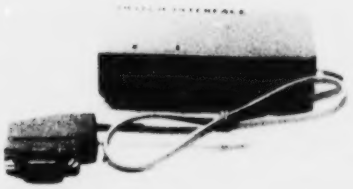
Vendor: Communications Applied Technology

Computer: All (Hardware Independent)

Cost: $2,100.00 - $3,455.00

The R/S IV Series Wireless Link is a system that transmits speech from a remote location to the voice input module of a computer. The user speaks into a microphone connected to a portable transmitter unit, and this transmitter sends the signal via radio wave to a stationary receiver unit connected directly to a computer's voice input module. The R/S III Series can also be equipped with input circuitry to accept audio signals sent back from the computer's voice input module.

The R/S IV Series Wireless Link does not actually provide input to a computer, but rather transmits audio to an existing voice input module hooked up to an existing computer. The system has been designed to work with any voice input module. Cost for system includes headset, housing for 10 hour duty cycle, battery pack, charger, base radio, and interconnect cable to recognizer. Electronic and audio versions of documentation are available by special request.



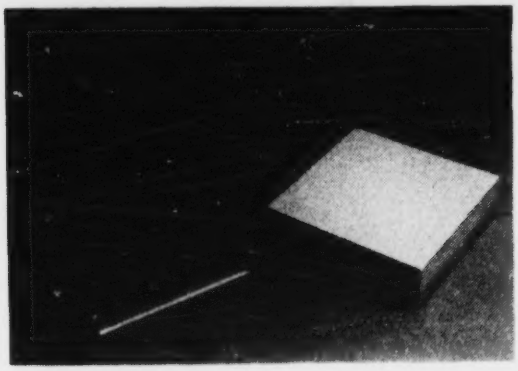
Product Name: Switch Interface

Vendor: Don Johnston Developmental Equipment

Computer: Apple II Family

Cost: $39.00

The Switch Interface adapts an Apple computer so that one or two switches can be used to run switch-based software. Two models are available: one plugs into the 9-pin joystick port on the back of the computer, and the other plugs into the 16-pin game I/O inside the computer.



Product Name: T-TAM Keyboard and Mouse Emulator

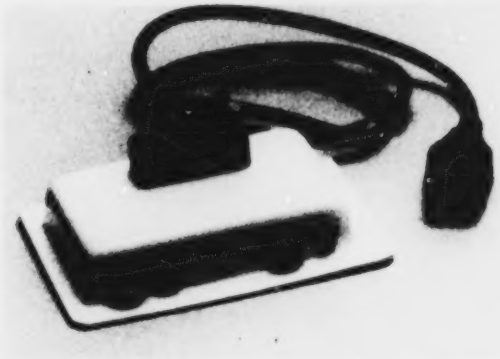
Vendor: Trace Center

Computer: Apple Macintosh Family, IBM PC AT, IBM PS/2 Family

Cost: Contact manufacturer

The T-TAM (Trace Transparent Access Module) is a box which connects between a computer access aid and the computer. The box translates signals transmitted via the aid's serial port into keyboard or mouse emulating signals, and passes these signals to the computer. In addition to this "SerialKeys" feature, the T-TAM also provides enhancement features for users of the standard keyboard and mouse: StickeyKeys (latching or locking of the "modifier" keys such as Shift, Control, Alternate, and Command), RepeatKeys (adjustment for both the amount of time a key is held down until it starts to repeat and the key repeat rate), SlowKeys (user-definable length of time a key is held down before the keystroke is registered by the computer), MouseKeys (cursor control capability via the keyboard's numeric keypad), and ToggleKeys (audible tones representing the status of the Caps Lock, Scroll Lock, and Num Lock keys).

The T-TAM can be used with all software or operating systems (including Microsoft Windows, DOS, and OS/2) that use the standard keyboard or mouse. The standard keyboard and mouse may be used while T-TAM is connected. Currently, the T-TAM is sold by Prentke Romich Company and Words+, Inc.



Product Name: Universal Input Adaptor

Vendor: Toys for Special Children, Inc.

Computer: Apple II Family

Cost: $46.00

Universal Input Adaptor is an adaptor that allows a variety of controls to be connected to a computer's game port. There are two 1/8" mini-phone jacks and two 1/4" phone jacks for plugging in switches. The Universal Input Adaptor also accepts input from joysticks. The output connectors can either be 16-pin connectors (for the Apple II+) or 9-pin connectors (for the Apple IIe or IIc).

Product Name: Wireless Data Transmission System

Vendor: Prentke Romich Company

Computer: All (Hardware Independent)

Cost: $690.00

Wireless Data Transmission System is a system, consisting of a portable transmitter and a stationary receiver, that transmits the ASCII output from a portable computer or communication aid to a stationary computer or environmental control system. The small portable transmitter connects to the portable input device (computer or communication aid) and transmits its output via radio waves to a stationary receiver, which is connected to the stationary computer or environmental control system. The transmitter unit receives its power from the portable input device, and the receiver gets its power from the host stationary device.

Various portable input devices and various stationary computers or environmental controls will work with the Wireless Data Transmission System. Contact the manufacturer for information about compatibility.

Chapter 14

Alternate Display Systems Usable with All Software

This chapter covers special output systems that can be used to supplement or instead of the standard computer display (the screen). These output systems provide large print, synthesized voice, or tactile patterns (such as braille) as output. The products included in this chapter are generally those which (1) provide "transparent" access to standard commercially available software, and (2) provide ongoing, changing output, such as the screen would provide. Braille printers are not included, for instance, because they do not provide dynamic, changeable output: once a character is printed, it stays printed. (Braille printers are included in Chapter 15.) A word processing program with large print would not appear here because it is only a single application program, not a program that provides access to all other software. (Such a program would appear in Chapter 22, Personal Tool or Aid Software.) Some of the voice output screen access programs ("screen reading" programs) require a speech synthesizer to be purchased separately. Speech synthesizers are listed in Chapter 16.

Some of the functions in Index 1 which relate to products in this chapter are: Large Print (LP), Screen to Voice (SV) and Braille (BR).

Some pertinent resource listings in Appendixes A-C are: Information Resources for Blind and Visually Impaired Individuals; Computer Assessment and Training Programs for Disabled Individuals; and Books and Pamphlets.

The following product entries appear in this chapter:

ALVA Braille Terminals, *397*
Anti-Glare Magnification Screen, *397*
Artic Vision, *398*
ASAP (Automatic Speech Access Program), *398*
Avalon Computers, *399*
Beamscope II, *399*
Braille 'n Speak, *400*
Business FOCUS, *400*
Business Vision, *401*
CloseView, *401*
Compu-Lenz, *402*
DECtalk PC, *402*
Elobox, *403*
Enable Reader Professional Speech System, *403*
Flipper, *404*
Freedom 1, *404*
Gizmo, *405*
HandiCHAT and HandiCHAT Deluxe, *405*
IBM Screen Reader/2, *406*
IBM Screen Reader/DOS, *406*
inLARGE 2.0, *407*
inTOUCH, *407*
Isos (Interactive Speech Operating System), *408*
JAWS Screenreader, *408*
Language Master Special Edition, *409*
LapTalker and LapTalker Plus, *409*
Large Print Display Processor, *410*
Large-Type Display Utility Software, *410*
LPDOS (Large Print DOS), *411*
LPDOS Deluxe Edition with LP-Windows, *411*
Magic Keyboard, *412*
Magnum GT, *412*
MasterTOUCH, *413*
Navigator, *413*
Notex, *414*
NuVu Models MC1, PS1, and GNK, *414*
Optacon II, *415*
Optacon PC, *415*
OPTEQ V and VFF, *416*
outSPOKEN 1.7, *416*
Panorama, *417*
Powerama, *417*
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Protalk, *418*
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SCAT (Screen Articulator), *420*
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SKERF-Pad, *421*
Slimware, *421*
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SoundProof, *423*
Speaqualizer, *423*
Tall Talk Prints v. 2, *424*
TEXTALKER, *424*
TinyTalk, *425*
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Type 'n Speak, *426*
Vantage CCD, *426*
Verbal Operating System (VOS) 5.0 and VOS Basic, *427*
Verbal View, *427*
VersiColor CCD, *428*
Vert Plus, *428*
Vista and Vista 2, *429*
Vocal-Eyes, *429*
ZoomText, *430*

The following products from other chapters can also be used as Alternate Display or Output Systems Usable with All Software:

Arkenstone Reader, *301*
BookWise, *303*
Open Book, *347*
Reading AdvantEdge, *358*
Televox, *458*

Product Name: ALVA Braille Terminals

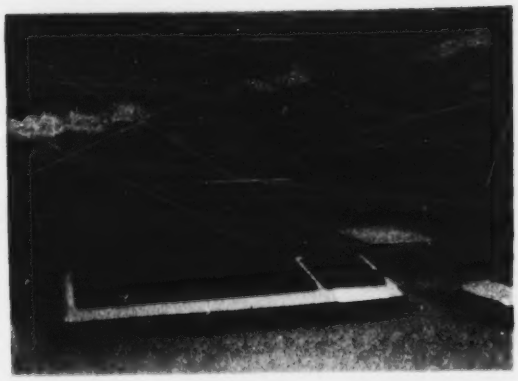
Vendor: HumanWare, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $4,995.00 - $14,495.00

ALVA Braille Terminals are electronic braille displays for use with MS-DOS compatible computers. Four models are available. The 23 and 43 are portable models, the 43 and 83 are desktop models. Each model includes: eight dot braille cells; 20, 40, or 80 column reading windows; three status cells for monitoring of cursor location and screen features; built-in parallel printer port and external keypad port; Grade II braille translation with AutoBraille by KANSYS.

Optional features include Microsoft Window and OS/2 access. The portable terminals use rechargeable batteries.



Product Name: Anti-Glare Magnification Screen

Vendor: Sher-Mark Products Inc.

Computer: Apple Macintosh Family

Cost: $89.95

The Anti-Glare Magnification Screen fits over the screen of all Macintosh 128K, 512K, Plus, PlusClassic, and SE computers. A magnification lens doubles the size of characters and images on the screen. In addition, a polarizing filter is used to reduce glare and improve contrast.

Product Name: Artic Vision

Vendor: Artic Technologies

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: Sold bundled only

Artic Vision (Articulate Vision) is a software package that processes screen output and keyboard input into speech. In the Ap-Track mode, most speech output is automatic and follows the application program. All review and reading functions are instantly accessible from Ap-Track and can be invoked from the home row of keys. Users may reassign most of the Artic Vision commands to keystrokes of their choice. Additional features include automatic speech clearing, 128 user-definable Speech Windows with independent styles and colors, 10 user-definable Quiet Zones, full color support, enhanced cursor and bar tracking, document reading functions, multiple dictionaries, and extended ASCII support. Visi-Voice menus in Control Mode permit configuration of Artic Vision for optimal interaction with specific application programs; configuration files may be saved and re-loaded as desired.

An IBM-PC or compatible with 256K memory is the minimal suggested computer configuration. Artic Vision is only sold bundled with Artic Technologies' speech synthesizers; contact manufacturer for further information.

Product Name: ASAP (Automatic Speech Access Program)

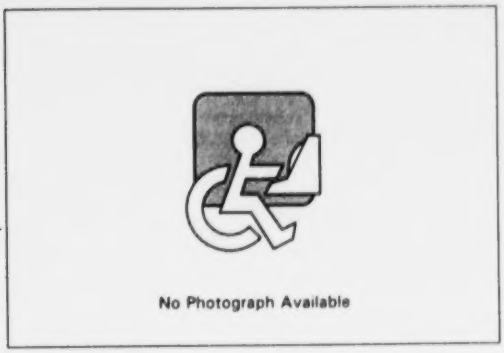
Vendor: MicroTalk Software

Computer: IBM PC Family

Cost: $525.00

ASAP is a screen access program for the IBM line of computers. The program is designed to read important screen changes automatically (the movement of a highlight bar for example). Other features of ASAP include the ability to read text without using a "review mode", tracking of user-definable text attributes and automatic loading of custom configurations for computer programs.

ASAP requires the use of a speech synthesizer (extra). Contact MicroTalk Software for more details about compatible equipment.



Product Name: Avalon Computers

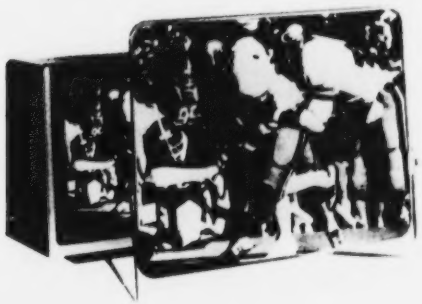
Vendor: Artic Technologies

Computer: IBM PC Family

Cost: $1,295.00 - $2,995.00

Avalon Computers are portable keyboard-sized computers with voice output. Avalon computers are about the size of a standard 101-key PC keyboard and are MS-DOS compatible. They have a keyboard on top, a hard disk, a 3.5" floppy disk drive, two serial ports, a parallel port, MS-DOS 5.0 on the hard disk and two standard half-card expansion slots. Volume controls and a headphone jack are located at the back of the device, and there is also an internal speaker. The computers do not come with a monitor, but have a VGA video adapter for connecting a monitor if desired.

Three models of Avalon Computers are available. Each model is available with or without SynPhonix 215 speech synthesizer and Artic Business Vision screen-reading software built in. The three models are 486/DX 33 MHz, 486/SLC 25 MHz, and 386/SX 33 MHz.



Product Name: Beamscope II

Vendor: Florida New Concepts Marketing, Inc.

Computer: All (Hardware Independent)

Cost: $68.95 - $78.95

Beamscope II is a fresnel lens that will enlarge the characters on a TV screen to more than twice their normal size when placed in front of the TV. Two different models are available. Model TS-25 is designed for 12" - 15" TVs, enlarging the screen diagonal to 25" ($68.95). Model TS-30 fits 17" - 19" screens, enlarging the diagonal to 30" ($78.95).

Product Name: Braille 'n Speak

Vendor: Blazie Engineering

Computer: IBM PC Family

Cost: $994.00

The Braille 'n Speak is a portable talking writing device with a braille keyboard. The user can type text in the same manner as on a braille writer, and review the text with the Braille 'n Speak's built-in speech synthesizer. About 200,000 characters (about 200 braille pages) can be stored in the Braille 'n Speak's non-volatile memory, and can be retained in storage when the unit is turned off. (A model with larger memory, the Braille 'n Speak 640, stores about three times as much text.) The user can recall, review and edit these stored files. Text can also be transferred to a stationary computer or printer via the Braille 'n Speak's built-in serial port (up to 9600 baud). Text can be typed in Grade 2 braille and automatically translated into standard spelling for printing. A talking clock, calendar and calculator are provided.

Braille 'n Speak is powered by rechargeable nickel-cadmium batteries, and comes with a battery charger and headphones. PC Master, a software program that allows the Braille 'n Speak to function as an alternate keyboard and screen review system for an IBM PC, is available for $395.00. Options include a battery powered disk drive ($495.00) and a one-handed keyboard.

Product Name: Business FOCUS

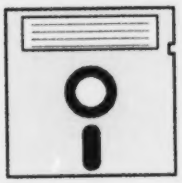
Vendor: Artic Technologies

Computer: IBM PC Family, IBM PS/2 Family

Cost: $695.00

Business FOCUS is a screen enlargement system for IBM PC and PS/2 computers and compatibles running either DOS or Microsoft Windows 3.0. Business FOCUS enlarges the image on the computer screen in whatever software the user is operating. Enlarged characters are shown in large fonts specifically designed for computer users with low vision. Enlargement of graphic images is also provided.

Business Focus is software-based, requiring no additional hardware to operate. It is compatible with Hercules, CGA, EGA and VGA graphics adapters.



Product Name: Business Vision

Vendor: Artic Technologies

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: Sold bundled only

Business Vision is a screen-to-voice program that contains all the features of Artic Vision (see entry) plus additional features for use with spreadsheet programs. Features include: speech access to matrix entries, cell definitions, row and column titles, and menu entries; ten user-definable Smart Zones for direct screen monitoring, with twenty controls each for monitoring and responding to changes within each Smart Zone; a key macro facility for supporting advanced constructs such as IF-THEN-ELSE; ability to "chain" Speech Windows (allowing one to call another); and Pop-Trax, which allows automatic location of pop-up menus on the screen. A built-in talking calculator offers four function operation and ten levels of memory to allow the user to review previous entries.

Business Vision D/K is a special version of this product designed for use with DECtalk and compatible speech synthesizers. The standard version is sold bundled with Artic speech synthesizers only; contact manufacturer for details. An IBM PC or PS/2 computer with 256K of memory is the minimal suggested computer configuration for running either version of Business Vision.

Product Name: CloseView

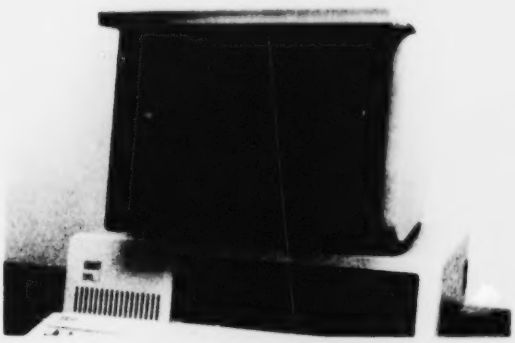
Vendor: Apple Computer, Inc.

Computer: Apple Macintosh Family

Cost: Sold bundled only

CloseView allows the screen on the entire Macintosh line to be magnified from 2 to 16 times. Working as an option on the Control Panel, CloseView also permits the screen display to be changed from black on white to white on black. It is possible to turn CloseView on and off, and to change the magnification, by using combinations of the Control, Option, and other keys.

CloseView requires Macintosh operating system software version 6.0 or higher, which requires at least one megabyte of memory. The program is included with all sets of operating system disks at no additional charge; documentation for the program is covered in the manual for the system.



Product Name: Compu-Lenz

Vendor: Florida New Concepts Marketing, Inc.

Computer: All (Hardware Independent)

Cost: $204.95

Compu-Lenz is a combination screen magnifier (fresnel lens) and glare filter that fits on an existing monitor. Compu-Lenz displays the entire screen, magnifying it two to four times.

Compu-Lenz fits the IBM-PC and most other computers with monitors of similar size.

Product Name: DECtalk PC

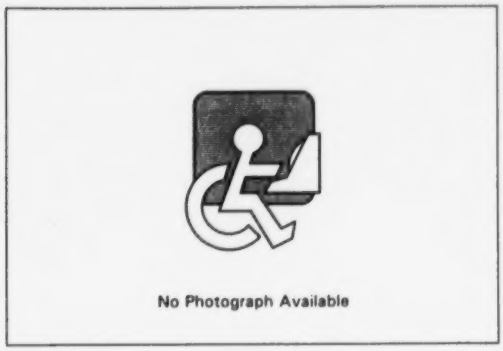
Vendor: Digital Equipment Corporation

Computer: IBM PC Family

Cost: $1,195.00

The DECtalk PC is a personal computer option card which can accept text from any application and turn it into synthesized speech output. The sythesized speech capibility of the card includes nine predefined voices and one user defined voice; the rate of speech varies from 120 to 550 words per minute. The card connector is 8, 16, or 32 bits and fits into a full size PC option slot.

The DECtalk PC includes card, external speaker with volume control and headphone jack, and a user's manual in printed, diskette or audio cassette form. This product is compatible with IBM computers and require DOS version 3.3, 4.0 or 5.0.



Product Name: Elobox

Vendor: Adhoc Reading Systems, Inc.

Computer:

Cost: Contact manufacturer

Elobox is an electronic Braille notetaking device. Up to 50 pages of text in Braille format can be stored in the device's memory. The text can then be reviewed or edited using Elobox's built-in speech synthesizer. Elobox may be connected to an Elotype or Diconix (see entries) to obtain Braille or ink printouts of the information stored in Elobox's memory. The device may also be connected to a computer to transfer files between the machines; contact manufacturer for information about computer compatibility.

Product Name: Enable Reader Professional Speech System

Vendor: PC-SIG

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $3.50 per disk

Enable Reader Professional Speech System (formerly called Speech Enable) is a program that provides voice output of the information on the computer screen. The program is designed to be transparent, allowing it to be used with standard applications software. The user can control the amount of text read back, and the way in which it is read back.

A compatible speech synthesizer is required to use the program. The program is available through PC-SIG's public domain software (disks #764 through #767).

Product Name: Flipper

Vendor: Omnichron

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Electronic Manual, Large Print Manual

Cost: $495.00

Flipper is a voice-output screen access program. The program reads back the contents of the computer screen via a speech synthesizer. Flipper works while the user is running another program, allowing access to standard applications software. The user can select what portion of the screen is read back by typing in certain keys on the keyboard. Flipper will also announce the position of the cursor on the screen, and announce features of the text such as color or inverse video. The program can be commanded to search for particular text, or for particular video attributes (like inverse video). Other features of Flipper include: optional pronunciation of capital letters, ability to screen a row for changes and read it for changes, and reading of digits separately or as numbers. Text can be read or spelled without entering review mode. Online help is provided. Flipper also features automatic reading of pop-up windows, reassignment of any functions to any key, definition of up to ten different cursors, and use of up to ten reaction zones.

Flipper works with a variety of speech synthesis hardware, including Accent, Artic, DECTalk, and Sounding Board.

Product Name: Freedom 1

Vendor: Interface Systems International

Computer: IBM PC Family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $499.00

Freedom 1 is a transparent talking screen review program for the IBM-PC and its compatibles. Tilde key is used to switch from the applications (actual program) mode to the review (screen reading) mode. Once in the review mode, the user can use single keys to execute a number of commands, including character, word, line, and screen reading; silent cursor movement; reverse reading; and placement and seeking of text markers. ESCAPE brings the user back into the applications mode. The user can turn on a cursor joining mode which automatically moves the cursor back to the point where reading from the reading mode stopped. Freedom 1 Version 3 allows automatic joining of applications and review cursors, and has an option to allow users to create their own interactive commands with single or limited keys, allowing text to be read without entering review mode.

Freedom 1 produces its voice output via any of various commercially available speech synthesizers.

Product Name: Gizmo

Vendor: Artic Technologies

Computer: IBM PC Family, IBM PS/2 Family

Cost: $250.00 - $325.00

Gizmo is a control pad for operating screen reading and screen enlargement software. The surface of the pad has control buttons for Artic Vision and Business Vision screen readers and Artic Focus screen enlargement software (see separate entries). Gizmo eliminates the need to use the standard keyboard on the computer to control access software. This can help with access when other software running on the computer (such as terminal emulation software) takes control of the keyboard. Gizmo can also use Business Vision's macro-creating facility to assign unique functions to keys.

Product Name: HandiCHAT and HandiCHAT Deluxe

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family, ITT, NEC (some or all models), TRS-80 Model 100, TRS-80 Model 200, Tandy 1000, Toshiba Laptops

Cost: $149.00 - $295.00

HandiCHAT is a speech output program that may be run simultaneously with application programs. Two modes of operation are available. The first permits the user to use a pop-up window to enter text that is then immediately spoken (and not saved). The window may be defined as having between six and twenty lines. The other mode is used to speak some or all of the text on the PC screen. Options are: speaking the word or sentence at the cursor, speaking from the beginning of the line to the cursor, or speaking the entire contents of the screen. HandiCHAT is evoked via a a user-defined "hot key" on the keyboard.

HandiCHAT ($149.00) is compatible with DECTalk, Votrax, Computalker, Covox, RealVoice, Accent, and Echo speech synthesizers. HandiCHAT Deluxe ($295.00) permits use and maintenance of a phrase library which can hold up to 1,296 phrases of 64 characters each. These phrases can be accessed by using a mouse, trackball, headmouse, or keyboard. Phrases may be combined, and may be assigned to macros which can then be accessed by pressing two keys. Both versions work with graphics programs.

Product Name: IBM Screen Reader/2

Vendor: IBM Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: $600.00

IBM Screen Reader/2 is a system that enables the user to read computer screen information using a speech synthesizer. The program works with standard software running under the OS/2 operating system, providing blind computer users with access to IBM's graphical user interface (GUI). The user can specify how text is to be read back--by the character, word, line, sentence, paragraph, or screen. The "autospeak" function monitors the screen and provides voice output of all OS/2 screen information, including error and alert messages. The program recognizes and verbalizes objects (icons) to keep the user informed of screen activity and cursor movement at all times. With the program's windowing capability, the user can read specified areas of the screen. The functions of the Screen Reader can be controlled from the standard keyboard or from an optional 18-key keypad. Profile Access Language software allows the user to specify custom sets of Screen Reader commands (profiles) for particular applications. Pre-made profiles are provided for popular programs.

The IBM Screen Reader/2 requires an OS/2-capable system with 2 MB of hard disk space, a speech synthesizer (contact IBM regarding models), and an adapter card for non-IBM computer systems.

Product Name: IBM Screen Reader/DOS

Vendor: IBM Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: $500.00

Screen Reader/DOS is a system that enables the user to read computer screen information using a speech synthesizer. The Screen Reader works with standard commercially available software that runs under DOS. Using a special keypad or the standard keyboard, the user can specify what part of the screen is to be read back, and how it is to be read back--by the character, word, line, sentence, paragraph, partial screen or full screen. An "autospeak" feature monitors the screen and alerts the user when changes, such as status or error messages, occur. With the Screen Reader's "windowing" capability, the user can read a specified "box" of text. Profile Access Language software allows the user to specify custom sets of Screen Reader commands (profiles) tailored for particular application software. Pre-made profiles are provided for popular programs.

The Screen Reader provides access to the IBM PS/2 family and selected members of the IBM PC family (an extra adapter is required for PC XT and AT). The system consists of the keypad, special software, and documentation. A speech synthesizer is required; contact IBM about compatible models. The Speech Reader keypad if desired is purchased separately.

Product Name: inLARGE 2.0

Vendor: Berkeley Systems, Inc.

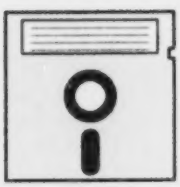
Computer: Apple Macintosh Plus

Manual Form: Electronic Manual, Large Print Manual

Cost: $195.00

inLARGE 2.0 is a software application which permits the screen to be modified in several ways to facilitate Macintosh use by people with visual impairments. Modification features include: magnification by a factor of 2 to 16 times, screen inversion permitting white letters on a black background, automatic scanning in any of four directions (left, right, up, or down), automatic routing of the pointer to new windows, ability to set horizontal and vertical magnification independently, and an optional, customizable indicator of cursor location. The user may select any portion of the screen for magnication and black out any unmagnified portion. Most commands can be issued either from the keyboard or from a control panel document. inLARGE will permit modified views of all Mac features including graphics, text, and windows.

inLARGE 2.0 works with almost all Macintosh software including System 7. Minimum system requirements are a MacPlus or higher with 1MB RAM, System 6.05 or later, and 100K of floppy or hard disk space.



Product Name: inTOUCH

Vendor: TeleSensory, Inc.

Computer: Apple Macintosh Family

Manual Form: Audiotape Manual, Printed Manual

Cost: $395.00

inTOUCH is software that interfaces with the Optacon II (see entry) to provide tactile and large print access to the Macintosh. As the mouse is moved, inTOUCH shows the area of the Macintosh screen around the cursor on the Optacon display. inTOUCH's features are set from the keyboard. A scanning feature can be activated to provide access at a rate of one to 160 words per minute. The scanning speed can also be controlled by moving the mouse, and a locking feature can be activated to ensure that the mouse pointer is kept on a straight horizontal or vertical line. Other features include a command that stretches the image by 50, 100, or 150 percent to increase legibility, a camera mode that allows the Optacon to be switched between reading the Macintosh and reading printed matter, a feature that changes inverted text to uninverted text so that it can be read normally, and a screen position command that raises a couple of the Optacon's pins to indicate the relative position of the cursor on the screen.

inTOUCH was written by Berkeley Systems, Inc., but is sold by TeleSensory as an accessory to the Optacon II (see entry).

Product Name: Isos (Interactive Speech Operating System)

Vendor: Interface Systems International

Computer: IBM PC Family, IBM PS/2 Family

Cost: $499.00

Isos is a program that reads the contents of a screen via a speech synthesizer. The program is designed to be transparent, providing access to standard computer software. A set of generalized tools permit the use of the same types of screen review commands to be issued with different types of programs (word processors, spread sheets, telecommunication programs, etc.). Other features include: on-line documentation, monitoring of 50 screen areas for changes, ability to handle multi-column documents, ability to change voice speed and volume while text is being read, phonetic spelling of text, announcement of screen colors, and change in voice quality when capitalized letters and words are read.

Although Isos works with most speech synthesis hardware, some features of the Accent synthesizers (see entries) permit the user to take fuller advantage of Isos.

Product Name: JAWS Screenreader

Vendor: Henter-Joyce, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $495.00

JAWS (Job Access with Speech) Screenreader is a screen access program that gives users voice output access to computer software. JAWS works with most speech synthesizers. Features of JAWS include a dual cursor design (a JAWS cursor is always available for screen review), macro recording, audible and visible Lotus 1-2-3-style menus, ability to use the keypad for single handed operation, windows for selective screen reading, detection and automatic speaking of many screen changes, variable voice configurations, automatic loading of custom configuration files and a "help mode."

A Braille version of the JAWS manual is available; contact manufacturer for details.

Product Name: Language Master Special Edition

Vendor: Franklin Electronic Publishers, Inc.

Computer:

Cost: $450.00

Language Master Special Edition is a special version of the Franklin Language Master electronic dictionary, spelling and pronunciation aid. Like other speaking models of the Language Master, the special edition provides a complete dictionary which gives definitions, pronounces the words, and reads all other entry information in digitized voice. The device also provides spelling assistance, a thesaurus, grammar assistance and vocabulary games. The Special Edition has been designed for individuals who are blind or visually impaired or have learning disabilities or speech impairments. The Special Edition displays information in adjustable size print, and presents information in speech which ordinarily would have to be read from the screen. User customization allows the user to adjust a variety of functions for special needs situations. For communication, up to 26 personal messages can be stored for playback at any time, and any message can be type for immediate text-to-speech playback (synthesized voice).

Product Name: LapTalker and LapTalker Plus

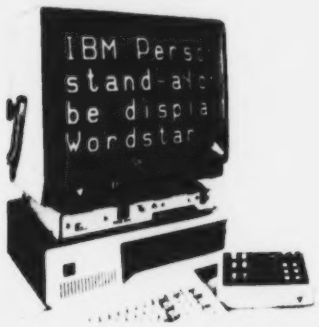
Vendor: Automated Functions, Inc.

Computer:

Cost: $1,595.00 - $2,395.00

LapTalker is a portable IBM PC-compatible computer with built-in speech synthesis hardware. The rate of speech may be adjusted from 70 to 450 words per minute, with several intermediate speeds available. LapTalker has a built-in internal speaker and two audio jacks: one for an external speaker and one for headphones. The system may be used with most screen reading programs.

LapTalker comes in two models: LapTalker sells for $1,595.00; LapTalker Plus ($2,395.00) comes with Soft Vert screen reading software (see entry), a menu system written for the LapTalker Plus, a word processor, a spell checker, a keyboard training program, a communications program, and additional software.



Product Name: Large Print Display Processor

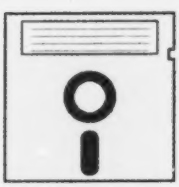
Vendor: TeleSensory, Inc.

Computer: Apple II Family, IBM PC Family, IBM PS/2 Models 25/30

Cost: $2,795.00 - $2,995.00

Large Print Display Processor is a peripheral device which enlarges the text that appears on a computer's monitor screen. Text can be enlarged up to sixteen times its original size. The area to be enlarged can be moved around using a joystick control. The area enlarged can be made to follow the screen cursor. A single line may be isolated for viewing, and the screen image can be positive or negative. The Large Print Display Processor does not enlarge graphics. The device requires no additional software to operate, and does not affect the operation of standard software running while it is in use. The Large Print Display Processor also does not occupy any of the computer's memory while in use.

An IBM color graphics adapter is required to use the IBM version, if both large print and standard are to be viewed on the same display; otherwise two monitors are required. DP11 for the IBM PC family and PS/2 Model 30 is $2,795.00; DP11 Plus MCA for microchannel IBM PS/2 computers is $2,995.00.



Product Name: Large-Type Display Utility Software

Vendor: National Institute for Rehabilitation Engineering

Computer: IBM PC Family, IBM PS/2 Family

Cost: $150.00 - $599.95

Large-Type Display Utility Software are programs that enlarge the print on the computer screen for most commercial software. There are three versions of the software. The 2X Multi-Mode ($150.00) magnifies text or graphics up to two times in size. A magnified "window" tracks the cursor or and be moved with arrow keys. This version works with VGA display. The 1X-8X Text-Mode version ($499.95) provides one to eight times magnification. The magnified area can be viewed full screen or split screen, and magnification can track the cursor. This version displays only text, not graphics, and works with EGA or VGA display. The 1X-16X All-Mode version ($599.95) provides one to eight times, 12 times or 16 times magnification. The magnified area can be viewed full screen or split screen, and magnification can track the cursor. This version displays text, graphics, and windows; it works with VGA display.

Product Name: LPDOS (Large Print DOS)

Vendor: Optelec

Computer: IBM PC Family, IBM PS/2 Family, Toshiba Laptops

Manual Form: Electronic Manual, Large Print Manual, Printed Manual

Cost: $495.00

LPDOS is a screen access program that displays large print on the computer screen. The program allows the user to control all aspects of the visual display including print size, character and line spacing, cursor style, and screen colors. Selections can be made using keyboard, mouse, or menu. A split screen option allows large print and normal print to be displayed side by side or the selection of large print for a specific part of the screen.

VGA and EGA are highly recommended for use with the LP-DOS. The program also works on MCGA and CGA laptops with some limitations. A fully featured demo disk that limits users to 20 minute work sessions is available free of charge from the manufacturer.

Product Name: LPDOS Deluxe Edition with LP-Windows

Vendor: Optelec

Computer: IBM PC Family, IBM PS/2 Family

Cost: $605.00

LP-DOS Deluxe Edition is a computer program which magnifies the full range of text, graphics, and Windows applications on the screen. The Deluxe Edition contains the LP-DOS program (see entry) and LP-Windows for use with Microsoft Windows. LP-DOS allows the users to choose magnification, type styles, colors, and spacing. LP-Windows magnifies Windows applications up to 16 times the standard size. The program automatically tracks the cursor, mouse, menus, control buttons, and psreadsheet cells when used with word processing, spreadsheet, and paging programs.

EGA, VGA, or MCGA are required to run the El-Picasso program; LPDOS will also run on CGA laptop computers. A fully featured demo disk that limits the user to 20 minute work sessions is available from the manufacturer free of charge.

Product Name: Magic Keyboard
Vendor: Woodsmith Software
Computer: CP/M Computers, IBM PC Family
Manual Form: Printed Manual
Cost: $54.50

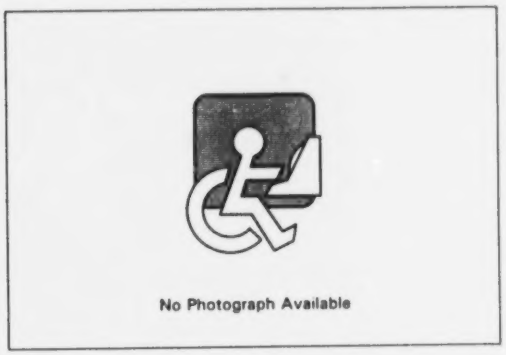
Magic Keyboard is a translation program using graphics to create printed large character sets and seven type styles readable by people with low vision. Characters are large when printed but they are not enlarged on the computer screen. The program is able to print characters up to 100 feet tall, and sideways to 12 inches. Data can be entered from any standard word processing file or from direct type mode one line at a time. The direct type mode features page formatting and online editing. The user can delete and insert a character, word or line; move a line; adjust margins and indentation; and jump to the beginning and end of the line. The system has fonts up to 1/2 " tall which can be doubled or quadrupled while still maintaining good quality.

For information regarding the printers which are supported by the software, contact the manufacturer.

Product Name: Magnum GT
Vendor: Artic Technologies
Computer: IBM PC Family, IBM PS/2 Family
Cost: $495.00

Magnum GT is a screen enlargment program for IBM PC and PS/2 computers and compatibles running either DOS or Microsoft Windows. Magnum GT enlarges the image on the computer screen in whatever software the user is operating. Enlarged characters are shown in large fonts specifically designed for computer users with low vision. Enlargement of graphic images is also provided. A variety of viewing features are provided, including menu tracking, mouse tracking, ability to move the magnification area and then automatically return it to the application cursor location, split-screen viewing, scrolling screen viewing and bypassing of screen refreshes.

Magnum GT is software-based, requiring no additional hardware to operate. It is compatible with VGA video adapters.



Product Name: MasterTOUCH

Vendor: HumanWare, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

MasterTOUCH Tablet is an interactive tactile computer screen. The touch-sensitive surface is divided by raised tactile ridges into 25 lines that correspond to the text lines on the screen. Touching the tablet surface at any point causes the word at the corresponding point on the visual screen to be spoken. Features include: "intelligent processing" of highlight bars, pop-up windows, prompts, and menus; speech cutoff when a keyboard key is pressed; context-sensitive help; windows that may be defined by the user as silent, automatically read when changed, or read conditionally on other screen changes; spreadsheet access option; full review mode; user-controlled keyboard echo and punctuation options; assignable macros; and the ability to save and run application-specific configurations.

The tablet comes with MasterTOUCH, a screen access program that may be purchased and run separately (although the two must be used together to permit analysis of screen layouts). Contact manufacturer for information on compatibility with Keynote GOLD (see entry).

Product Name: Navigator

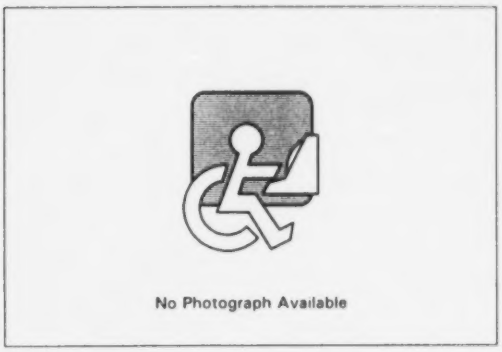
Vendor: TeleSensory, Inc.

Computer: IBM PC Family, Toshiba Laptops

Cost: $4,595.00 - $12,995.00

Navigator is a Braille output device that provides Braille access to MS-DOS displays. The Navigator attaches to the bottom of a PC keyboard or laptop computer, and a control panel on the front of the unit provides keys for moving the cursor and display window. Interface ports to support custom peripherals for specific applications are also included. An Enhanced VersaBraille mode is capable of using Braille to produce, translate, and manage alphanumeric text. The system is compatible with software packages such as Lotus 1-2-3, dBASE III, WordPerfect, and telecommunications packages. Software for 3270 terminal emulation is included with Navigator.

The Navigator is available in a number of different configurations, including: a 20 braille character, 6-dot desktop unit ($4,595.00); a 40 braille character, 8-dot unit ($6,695.00); and an 80 character, 8-dot unit with laptop ($12,995.00).



Product Name: Notex

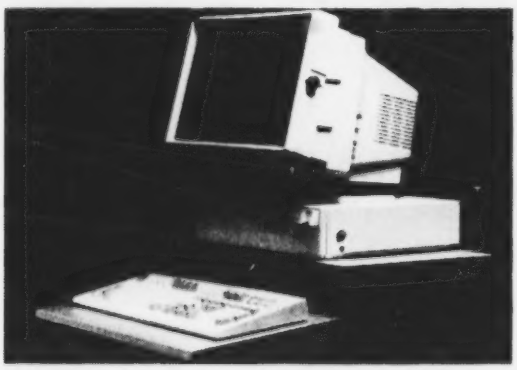
Vendor: Adhoc Reading Systems, Inc.

Computer: IBM PC Family

Cost: $5,800.00 - $7,900.00

Notex is a portable Braille notetaking device that has a 24-cell or 40-cell refreshable Braille display. Word processing functions in the Notex include character, word, and line deletion, as well as text search capability. Notex comes with a built-in BASIC interpreter and built-in scientific calculator.

Notex has 256K of RAM for data storage. The device can be connected to the serial port of most computers to transfer files between Notex and the computer. Notex can also serve as a screen review device when connected to the computer. The device has a rechargeable battery that allows approximately 12 hours of continuous use between chargings; Notex will retain information for up to 40 days after the batteries have discharged. The 24-cell version is $5,800.00; the 40-cell version is $7,900.00.



Product Name: NuVu Models MC1, PS1, and GNK

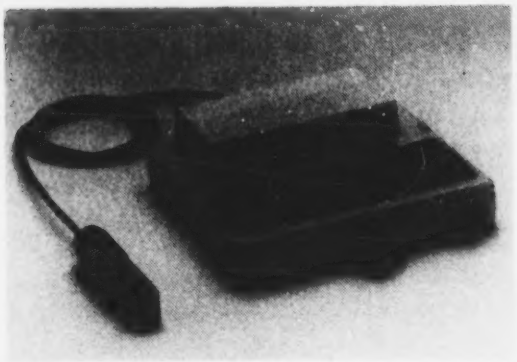
Vendor: Less Gauss Inc.

Computer: All (Hardware Independent)

Cost: $159.95 - $240.00

NuVu is a magnification device that can be used with a computer monitor to enlarge the monitor image from between 70 and 300 percent its original size. The amount of magnification depends on the distance between NuVu and the computer monitor. A crossed-linear lens is used to reduce distortion caused by magnification. Options (extra) include an anti-glare polarizing filter and mounting hood to reduce room reflections and soften the light from the computer's screen.

NuVu is available in three models. Models MC1 (designed for certain Macintosh II models; $144.95 clear and $164.95 with polarizer) and PS1 ($149.95 clear and $179.95 with polarizer) attach directly to any monitor with an outside cabinet that measures 11" to 15.5" in width. Model GNK ($149.95 clear and $179.95 with polarizer) consists of the NuVu lens assembly attached to an oak base stand for mounting. The polarizer alone is $199.95. Mounting hoods are $50.00. A utility program for changing screen colors is $7.95. All orders should specify monitor size, and width, height, and diagonal of screen as measured from the outside cabinet of the screen.



Product Name: Optacon II

Vendor: TeleSensory, Inc.

Computer: All (Hardware Independent)

Cost: $3,695.00

Optacon II is a portable tactile reading system that gives the user direct access to printed material. A hand-held camera (about the size of a cigarette lighter) is scanned across the printed page. The retina of that camera perceives the contrast between the light page and dark print and sends the image to a vibrating tactile array. The user rests the index finger on that tactile array and is able to feel the letters move underneath the fingers. The entire unit is approximately the size of a portable cassette recorder. The Optacon II can be used to read a computer screen as well as printed material.

Computer-assisted training software is available; contact manufacturer for details.

Product Name: Optacon PC

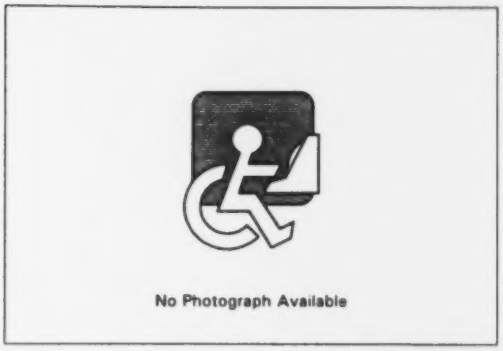
Vendor: TeleSensory, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $395.00

Optacon PC is a hardware and software accessory for the Optacon 2 (see entry) which provides tactile access to the screen of IBM PC or PS/2 computers. The Optacon PC uses a mouse (included) to move around the screen and select the area to be displayed on the Optacon. The user may switch between the Optacon camera for reading print and the Optacon PC for reading the computer screen without changing lenses on the Optacon. Information displayed on the computer screen can be automatically scrolled, at a user-definable rate, across the Optacon display. Optacon PC can also route the application cursor to the part of the screen being displayed by the Optacon.

Optacon PC runs on the IBM PC and PS/2 computers with DOS 2.0 or higher. A CGA, MDA, EGA, or VGA display adapter card is required.



Product Name: OPTEQ V and VFF

Vendor: OPTEQ Vision Systems

Computer: IBM PC Family

Cost: $2,245.00 - $2,595.00

OPTEQ V and V FF are two models of systems for use with IBM PC computers that consist of 19" black and white monitors and closed-circuit camera systems. Model V FF ($2,245.00) permits the user to "flip-flop" between accessing the computer and accessing the print materials directly underneath the closed-circuit camera. Model V ($2,595.00) has a split screen that allows persons to access the computer and the print materials simultaneously.

Both monitors require use of large print software (extra). Contact manufacturer for information about compatible software and firmware.

Product Name: outSPOKEN 1.7

Vendor: Berkeley Systems, Inc.

Computer: Apple Macintosh Plus, Apple Macintosh SE/II

Manual Form: Audiotape Manual, Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $495.00

outSPOKEN is a program that provides voice output access to text-based Macintosh software, such as word processors, databases, spreadsheets, and telecommunications programs. The numeric keypad is used instead of the mouse to control the cursor. The structure and content of the entire display (e.g., icons, ruler marks, and windows) can be communicated. Other commands permit the user to move between windows, find out the font and style of the current word, control voice speed, pitch, and volume, and identify frequently-used icons and symbols. A dictionary permits the user to modify the way specific words and icons are pronounced. A "mouse-off" feature prevents the mouse or trackball from being accidentally activated. There is an optional "review mode" which allows certain right-hand keys to be outSPOKEN keys.

The manual comes in print, on a tone-indexed cassette, and on disk, and is available in Braille at no cost on request. The package also includes Braille quick reference cards and embossed sheets giving tactile representations of typical Macintosh screen elements. A version of outSPOKEN for Microsoft Windows will be available in 1993.

Product Name: Panorama

Vendor: Syntha-Voice Computers Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $495.00

Panorama is a screen enlargement program for IBM PC, PS/2 or compatible computers running DOS. Panorama can enlarge text and graphics on the screen from two to ten times. Text is displayed in specially designed large fonts. Various viewing features are provided, including: horizontal and vertical scrolling, display in multiple windows, ability to follow application software's highlight bars, instant location of windows on screen and moving between windows. The user can also search for text or screen colors, automatically view screen changes such as error messages, and move the cursor by character, column, word, line, sentence or paragraph. The user can set the spacing between lines and characters in text viewing.

Panorama requires a computer with at least a 286 processor, 384K of extended memory, and either an EGA or a VGA video adapter. A scaled-down version, Panorama Junior, magnifies two to three times and is PC XT compatible.

Product Name: Powerama

Vendor: Syntha-Voice Computers Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $795.00

Powerama is a screen enlargement and voice-output screen reading program. Powerama integrates the features of Panorama screen enlarging software and SlimWare screen reading software (see separate entries). The large print display and voice output work together, so that text is displayed and read aloud simultaneously. Powerama can enlarge from two to ten times. Text is displayed in specially designed large fonts. Various viewing features are provided, including: horizontal and vertical scrolling, display and reading in multiple windows, ability to follow application software's highlight bars with viewing and voice, and instant location of windows on screen. The user can also search for text or screen colors, automatically view and hear screen changes such as error messages, and move the cursor by character, column, word, line, sentence or paragraph. The user can set the spacing between lines and characters in text viewing.

Powerama requires a computer with at least a 286 processor, 384K of extended memory, and either an EGA or a VGA video adapter. A scaled-down version, Powerama Junior, magnifies two to three times and is PC XT compatible.

Product Name: Private Eye

Vendor: Reflection Technology

Computer: IBM PC Family

Cost: $795.00

Private Eye is a miniature virtual display system that can be used to emulate viewing a 12" monitor from 24 inches. The image appears to "float" full-sized in front of the user's eyes. The user may adjust the focus from 10" to infinity. The Private Eye may be hand-held, mounted on a headset (extra), or attached to a user-designed accessory. The unit is CGA compatible, and will co-exist with MDA, Hercules, EGA, or another CGA display. Glasses may be worn while using the unit.

The Private Eye consists of the screen, a 5' cable (a 6' extension cable is available separately), and a 4.5" x 4.25" interface card.

Product Name: Protalk

Vendor: Biolink Computer Research and Development, LTD

Computer: IBM PC Family, IBM PS/2 Family

Cost: Contact manufacturer

Protalk is a voice output screen reading program. The program reads the contents of the screen to the user via speech synthesizer, allowing the user to access standard software on the computer. The program does not require a separate text input and screen review mode, and automatic functions of software (such as autosave in a word processor) can take place while the screen is being read. The user can elect to read text by the character, word, line, sentence or paragraph. Protalk automatically recognizes various on-screen objects or events such as location of windows, tables and columns, highlight bars, and screen size changes. Protalk puts no limit on display size for screen reading and is compatible with Super VGA. The program uses 12K of memory while operating.

Protalk currently works with DOS on IBM PCs and compatibles. A version for Microsoft Windows is being developed; contact the manufacturer for details.

Product Name: ProTERM

Vendor: MicroTalk Software

Computer: Apple II Family

Manual Form: Audiotape Manual, Printed Manual

Cost: $195.00

ProTERM is a machine language program that transforms an Apple IIc or enhanced IIe into a talking intelligent terminal, i.e., it allows any text that can be displayed on the screen to be be spoken, including files of data transferred to the user's computer from another. Files created on a computer with ProTERM in operation can also be transferred to another system transparently. ProTERM can be run under the ProDOS operating system, in which case it will load automatically when the computer is turned on. ProTERM has the option of reading every keystroke as it is entered, and undesired characters can be shut off so that they won't read aloud. ProTERM also has an abbreviation expansion option.

A Super Serial Card and 128K of memory are required to use ProTERM with the Apple IIe. An Echo IIc speech synthesizer is required on the IIc; an Echo II or Echo+ on the IIe. ProTERM Plus, a version of ProTERM with the capability of communicating using the X-Modem protocol, is available at additional cost.

Product Name: PROVOX

Vendor: Kansys, Inc.

Computer: IBM PC Family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $295.00

PROVOX is a voice-output screen access program designed to give the computer user control of voice output in both Direct and Review modes. Once installed, PROVOX outputs most keystrokes and screen display. The user can interrupt speech output to skip over portions of screen display, cause the repetition of previously spoken output, locate the cursor, or read only highlighted areas. Other options include moving up or down the screen one line, word, or character at a time and restricting voice output to a specified window. The user can specify whether or not silent characters such as "return" or "space" are spoken.

PROVOX supports fifteen voice synthesizers; contact the manufacturer for details. A demonstration package is available. Subsequent versions will be available to licensed users at a reduced cost.

Product Name: SCAT (Screen Articulator)

Vendor: RC Systems, Inc.

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $19.95

SCAT is a program designed to be used with RC System's Slotbuster multifunction card or DoubleTalk card. It enables a visually impaired Apple user to gain access to many unprotected programs, through automatic synthesized speech feedback and built-in screen review features. It is compatible with Braille Edit, BEX, ProWords, ProTerm, APH programs, GW Micro programs, Applesoft, Integer Basic, and others. In Echo/Textalker emulation mode it works with most programs written for the Echo speech synthesizer. The advanced screen review capabilities include string search, and built-in commands are included for setting punctuation levels, speech rate, volume, word delay , and other features.

SCAT works with most DOS systems, including DOS 3.3, ProntoDOS, Diversi-DOS, and ProDOS. Documentation includes manual and text files on disk. A talking version of the Slotbuster manual is available (extra).

Product Name: SeeBEEP

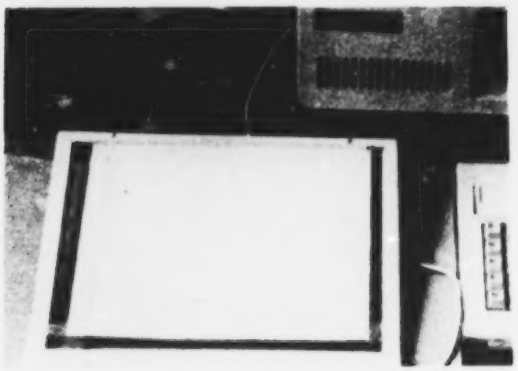
Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family, ITT, NEC (some or all models), TRS-80 Model 100, TRS-80 Model 200, Tandy 1000, Toshiba Laptops

Cost: $20.00

SeeBEEP is a memory resident utility program for PC users who are deaf or hard-of-hearing. Whenever the computer audibly beeps to indicate an error or for other reasons, SeeBEEP provides an additional visual indication. Two options are possible: the entire screen can flash and change color, or a visual "BEEP" can appear where the cursor is positioned. The flash time may be adjusted from 0.2 to 2 seconds. SeeBEEP can be turned on and off with pre-defined hot keys.

A shareware version that is not compatible with graphics mode is available on the manufacturer's bulletin board free of charge; contact manufacturer for further information.



Product Name: SKERF-Pad

Vendor: Love Electronics, Inc.

Computer: IBM PC Family

Cost: $350.00

SKERF-Pad is a voice-output screen access system. The user touches a pad, and the corresponding area of the computer screen is read back in a synthesized voice. The pad has horizontal guides for moving across lines of text; therefore, whatever text is on the computer screen can be read as if reading any page of text, either visually or in Braille. The SKERF-Pad will provide voice output access to standard application software the user is running. The pad plugs into the computer's game port.

Command switches are included to control voice speed, determine or change text cursor location, and affect the reading mode (by the letter, word, line, or page). The price includes the touch pad, the raised tactile overlay for the touch pad, and software. A speech synthesizer is required to use the SKERF-Pad.

Product Name: Slimware

Vendor: Syntha-Voice Computers Inc.

Computer: IBM PC Family, IBM PS/2 Models 25/30, Toshiba Laptops

Cost: $495.00

Slimware (formerly called Powerkey) is a software program that processes screen and keyboard output into speech. The program is designed to work with most text-based application programs, including word processors, database managers, spreadsheet, communications, accounting, and terminal emulation programs. A "sticky key" feature permits users to enter commands that require a combination of keys by hitting the keys sequentially instead of simultaneously. Slimware also permits key repeat capability to be turned off.

Contact manufacturer for information on hardware that works with Slimware.

Product Name: Slimware Window Bridge

Vendor: Syntha-Voice Computers Inc.

Computer: IBM PC Family

Cost: $695.00

Window Bridge is a screen access program for IBM PC and compatible computers using Microsoft Windows or DOS. The program features automatic tracking of pull-down menus, automatic reading of dialog boxes, 100 user definable windows for software configuration, notepad functions, and full macro capability. The keyboard can be customized for one-handed typists; the mouse or a touchscreen can also be used. Speech and braille outputs can run simultaneously.

Window Bridge runs on IBM compatibles and requires Microsoft Windows 3.1 or higher. A speech synthesizer is also needed (extra). Window Bridge supports most synthesizers or braille displays, contact the manufacturer for complete details.

Product Name: Soft Vert

Vendor: TeleSensory, Inc.

Computer: IBM PC Family

Manual Form: Audiotape Manual, Braille/Tactile Manual

Cost: $495.00 - $995.00

Soft Vert is a program that works in conjunction with a speech synthesizer to provide spoken output of the material that appears on the computer screen. In the edit mode, each letter can be spoken by a voice synthesizer as it is typed in. In the review mode, any size segment of text (character, word, line, etc.) can be read back by the synthesizer. The "route" command automatically brings the edit cursor to the location of the review cursor for making corrections. The "stop" command stops the review process within a few words of the moment it is entered. Other features include keyboard and screen-driven macros, a resident system utility, and additions for Lotus 1-2-3 and mainframe connectivity.

Soft Vert works with a number of commercially available speech synthesizers. Soft Vert for $995.00 includes software and a speech synthesizer; screen access software only is $495.00.

Product Name: SoundProof

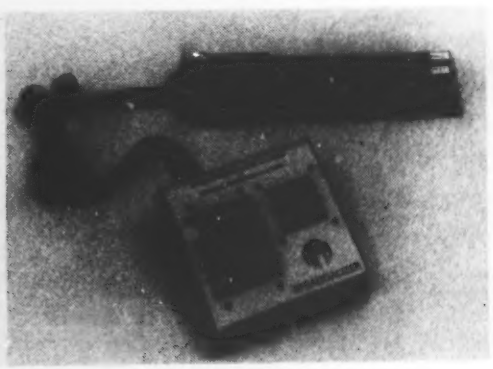
Vendor: HumanWare, Inc.

Computer: Toshiba Laptops

Cost: Contact manufacturer

SoundProof is software screen-reading program designed for individuals with learning disabilities. The program works with a speech synthesizer to "read" text as it is highlighted on the computer screen so that user can view and hear text at the same time. Anything which is displayed on-screen can be read including help menus, spell checks, data processing, and word processing material. The speed of the speech output and the portion of the screen to be read is determined by the user using either the keyboard or mouse. This program can be used with any other MS-DOS applications.

SoundProof is designed to be used with the Keynote GOLD series of computer and speech hardware (see entry). The program is sold bundled with the GOLD series or as a kit for desktop computers and selected Toshiba laptops; contact manufacturer regarding pricing details.



Product Name: Speaqualizer

Vendor: American Printing House for the Blind (APH)

Computer: IBM PC Family, IBM PS/2 Models 25/30

Cost: $809.41

Speaqualizer is a hardware-based system that provides voice output of information appearing on the computer screen of IBM PC or PS/2 Model 30/286 computers. The Speaqualizer is "transparent," providing voice output for any software that sends character data to the screen and uses the operating system cursor. The Speaqualizer system consists of three parts: an internal circuit card for the computer, a control box, and a connecting cable. A keyboard on the control box is used to control what section of the screen will be read back and how it will be read. The user can adjust the speed and volume of the synthesized speech at any time, even while the Speaqualizer is talking. The user can also silence the speech at any time. The user can opt to hear each character read back as it is typed on the computer's keyboard. Upper case letters are signalled by a higher pitch of the voice. The Speaqualizer can review text displayed in columns.

Because it is hardware-based, the Speaqualizer does not consume any of the computer's memory while in operation.

Product Name: Tall Talk Prints v. 2

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $85.00

Tall Talk Prints v. 2 is a program that provides large print characters on a printer, and optional voice output through a speech synthesizer, for any compatible applications program. Tall Talk Prints is loaded before the applications program and in effect magnifies and reads aloud the screen's contents. Eighteen point type size (0.25" - 0.33") is provided.

Tall Talk Prints will not work with every applications program. Also, ProDOS System Utilities (or similar) are required to translate ProDOS textfiles into DOS files for large print conversions. A compatible printer and speech synthesizer (if desired) are required to use Tall Talk Prints. Contact the manufacturer about compatibility. Three TEX-TALK Fonts Disks providing additional typefaces are available.

Product Name: TEXTALKER

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Large Print Manual

Cost: $21.75

TEXTALKER is a version of the Textalker.Blind program that comes on the Echo speech synthesizer utility disk. This version, by the American Printing House for the Blind, adds new features designed to improve access by speech. The program provides speech output of text displayed on the computer screen, allowing access to standard software programs for users unable to see the screen. Some new features include: review of tabular information by the column, repeat filter to eliminate multiple characters, faster selection of lines in review mode, ability to enter review mode at any time, and removal of pronunciation of "backspace" for left arrow key. TEXTALKER also provides "Intro," an electronic version of the manual readable with the Echo, and "Review," a program that provides control over the Echo's various speech modes.

An appropriate Echo speech synthesizer is required to use TEXTALKER. TEXTALKER includes versions for DOS 3.3 and ProDOS.

Product Name: TinyTalk

Vendor: OMS Development

Computer: IBM PC Family

Cost: $75.00

TinyTalk is a screen access program for IBM computers. Features of the program include automatic detection and reading of popup windows, tracking of highlight bars, and a "form tracking mode" for automatic reading of data entry prompts.

TinyTalk is compatible with IBM computers and requires less than 25K of memory. A fully functional demonstration version of the program is available for $5.00 from the manufacturer. TinyTalk requires a speech synthesizer (extra). Contact OMS Development for details about compatible equipment.

Product Name: Twin-Vu

Vendor: Acrontech International, Inc.

Computer: IBM PC Family

Cost: $1,695.00

Twin-Vu is an expansion card and software for the IBM line of computers that allows the display from a CCTV system to be displayed on a VGA monitor along with the computer screen display. The amount of each display that is shown is controlled with keyboard commands. Images from either the computer, CCTV or both can be saved as computer files (in PCX format) and retrieved at a later time. The unit has a "compressed" mode that allows the entire CCTV image to fit on half the computer screen.

Twin-Vu requires an IBM AT or greater class of computer. The system is compatible with most CCTV systems as well as most screen enlargement software. A hand-held camera is also available. Contact Acrontech International, Inc. for more details.

Product Name: Type 'n Speak

Vendor: Blazie Engineering

Computer:

Cost: $1,445.00

Type 'n Speak is a portable voice-output writing and notetaking device. The features are similar to the Braille 'n Speak (see separate entry), but the device uses a QWERTY (typewriter-style) keyboard rather than a seven-key braille keyboard. Type 'n Speak does not have a visual display, but instead speaks any text typed into it using a synthesized voice. About 300 pages of text can be stored in the device's 720K of memory. A built-in clock, calendar and spell checker are included.

Type 'n Speak is available in several languages. An optional disk drive can be added for reading IBM format floppy disks.

Product Name: Vantage CCD

Vendor: TeleSensory, Inc.

Computer: IBM PC Family

Cost: $2,895.00

Vantage is a closed circuit television system that magnifies any printed text. The user positions text under a CCD camera, and the text appears, enlarged 3 to 45 times, on a video screen. The non-glare screen can be raised, lowered, and tilted. Underlining and overlining are possible, and a split screen can be used to view two texts. Vantage can also act as a monitor for Vista (see entry), providing large-print access to standard software on IBM-PC computers.

Vantage comes with a black and white 14" non-glare screen. Manuals are in large print format.

Product Name: Verbal Operating System (VOS) 5.0 and VOS Basic

Vendor: Computer Conversations, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual, Electronic Manual, Printed Manual

Cost: $350.00 - $550.00

Verbal Operating System (VOS) 5.0 is a set of programs that provide voice output of screen information. The programs are a series of modules, each with a different function. The user may use only the modules desired. Nine modules provide screen navigation for reading selected portions of text, "help" information, programming of single-key macros (strings of characters up to 2,000 keystrokes long), text and/or color searching, system configuration capability, capability of paging through several documents, creation and saving of 26 moveable active windows, system manager capability, monitoring of up to 35 fields, and a pop-up note taking capability.

VOS 5.0 is $550.00. VERBal Star 2.0 (see entry) is included with VOS 5.0 at no extra charge. VOS Basic, a version which contains the basic functions of VOS 5.0 including windowing and system configuration and the note taking capability, is available for $350.00.

Product Name: Verbal View

Vendor: Computer Conversations, Inc.

Computer: IBM PC Family, IBM PS/2 Family

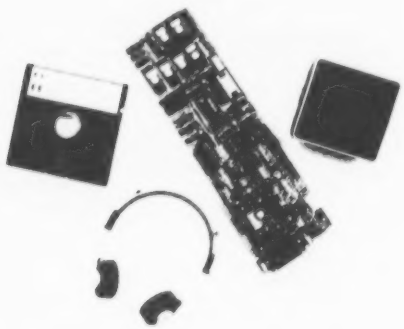
Cost: $249.95

Verbal View is a large print program for IBM-PC computers. The program runs along with the user's application program, presenting the normal screen information in enlarged characters. Characters are presented in U.S. Bureau of Standards fonts, and can be three different sizes. Blocks of text or single lines can be selected and enlarged. Enlargement can be turned on and off with single keystrokes. The user can move down the screen as desired or set an automatic line reading function that moves one line at a time at a preselected speed. On a color monitor, characters can be displayed in 16 different colors.

Verbal View requires no hardware modifications to the computer, and supports enlargement of ASCII characters only.

Product Name: VersiColor CCD
Vendor: TeleSensory, Inc.
Computer:
Cost: $2,995.00

VersiColor XL CCD is a CCTV system that comes with a 14" tilt and swivel monitor and a CCD camera. Text is magnified and displayed in 1 of 24 user-selectable foreground and background color combinations. The unit can also be combined with Vista (see entry) and serve as a color display for a computer with screen magnification. Contact TeleSensory for more details.



Product Name: Vert Plus
Vendor: TeleSensory, Inc.
Computer: IBM PC Family
Cost: $1,995.00

Vert Plus is a program that provides voice output of the material displayed on the computer screen. Vert Plus offers the same features as Soft Vert (see entry), but comes equipped with a speech synthesizer.

Product Name: Vista and Vista 2

Vendor: TeleSensory, Inc.

Computer: IBM PC Family

Cost: $2,495.00

Vista is a hardware and software package that allows a portion of the screen display to be selected and enlarged. The system consists of an internal circuit card, a program on disk, and a mouse. By pressing certain buttons on the mouse and moving the mouse, the user can enlarge an area of the screen, move the area to be enlarged around the screen, mask off only one line for viewing, jump from the end of one line to the beginning of another, and stretch an image taller or wider. Magnification can be from 2 to 16 times.

Vista uses color, enhanced graphics, or monochrome monitors, will work with most software, and will magnify graphics and other screen attributes. Three models are available: Vista VGA, Vista 2, and Vista with Windows (this version does not include Microsoft Windows but is designed to be reponsive to the Windows environment) which all run on the IBM PS/2 model computers.

Product Name: Vocal-Eyes

Vendor: GW Micro

Computer: IBM PC Family, IBM PS/2 Family

Cost: $450.00

Vocal-Eyes is a software package that processes screen and keyboard output from standard software programs, such as word processors, into speech. Features include: full support for video attributes, automatic box reading, auto-loading of set files, compatibility with windowed programs, definable "hot keys" for customized macros, cursor control, and "cut and paste" capabilities.

A demonstration disk is available. Contact manufacturer for information on compatibility with speech synthesis hardware (required; extra).

Product Name: ZoomText

Vendor: AI Squared

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Large Print Manual

Cost: $495.00 - $595.00

ZoomText is a RAM-resident software program that enlarges screen characters up to eight times standard size. The screen can be scrolled automatically (by following the cursor location) or manually. Horizontal and vertical split screen modes may be used to allow enlarged and standard text to be viewed simultaneously. View mode displays the location of the enlarged text within the open file. Review mode permits the full screen to be panned at one of seven speeds. The program is controlled by pop-up menus that are displayed at the same level of magnification chosen for viewing text.

ZoomText is $495.00 and requires an EGA or VGA graphics adapter card. ZoomText Plus which includes all ZoomText features plus graphics magnification and a Microsoft Windows interface is also available ($595.00).

Chapter 15

Braille Printers and Tactile Display Components

This chapter includes devices that have either braille or other tactile output. It includes both braille printers (also known as embossers) and portable braille "notebooks" with refreshable braille displays. Some of these self-contained braille notebooks have optional software that allows them to be connected to a microcomputer and to display information from the computer's screen on their braille display. This chapter does not contain tactile or braille devices which are designed only for accessing a standard computer's screen. Those devices are listed in Chapter 14.

Software for braille word processing or formatting braille documents can be found in Chapter 22, Personal Tool or Aid Software. Programs for teaching braille or braille transcription appear in Chapter 20, Education, Training and Therapy Software.

Hardware or software that has braille output can also be located by looking in Index 2 under Output/Display: Braille Printer, or Output/Display: Tactile/Braille Display. Appendix B contains Information Resources for Blind and Visually Impaired Individuals.

The following product entries appear in this chapter:

Braille Blazer, *433*
Braille BookMaker and Braille Express, *433*
Braille-N-Print, *434*
BrailleMate, *434*
Braillo 200, *435*
Braillo 400 S, *435*
Braillo Comet, *436*
Juliet Brailler, *436*
KeyBraille, *437*
Marathon Brailler, *437*
Mountbatten Brailler, *438*
MPRINT, *438*
Ohtsuki BT-5000 Braille/Print Printer, *439*
Personal Touch, *439*
Ransley Braille Interface (RBI), *440*
Romeo Brailler, *440*
Thiel Braille Printer BETA X-3, *441*
VersaPoint-40 Braille Embosser, *441*

The following products from other chapters can also be used as Braille Printers or Tactile Display Components:

ALVA Braille Terminals, *397*
InfoTouch, *129*
Navigator, *413*
Optacon II, *415*

Product Name: Braille Blazer

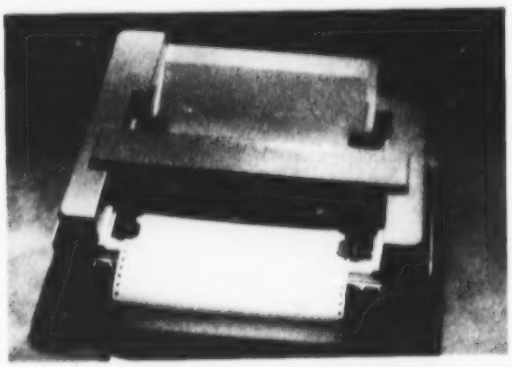
Vendor: Blazie Engineering

Computer: All (Hardware Independent)

Cost: $1,695.00

The Braille Blazer is a portable Braille printer designed to print on 8.5" x 11" tractor feed Braille paper. The printer can produce either six or eight dot Braille as well as graphics; the platen lever is moved forward for graphics mode and back for text mode. A maximum of 34 characters per line can be printed, and the printing speed is 15 characters per second. A built-in speech synthesizer is used to provide information on printer status. A three-key pad is used to configure printer settings. Most Braille character sets are supported, and the manufacturer can create custom program character sets. Braille Blazer can be used as a speech synthesizer, and is supported by most screen review software packages.

Braille Blazer connects to any parallel or serial port; interfaces for both types of ports are included.



Product Name: Braille BookMaker and Braille Express

Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Cost: $10,500.00-$19,500.00

Braille BookMaker is a desk-top embosser that produces braille on both sides of the page. This printer has a speed of eighty characters per second. Parameter settings can be verified via a braille printout or by a thirty-two character visual display. The printer can be configured by using a calculator-style keypad which is built into the BookMaker. Extra configuration or intervention is not needed to print graphics and text on the same page. Brailler Express is similar to the BookMaker, but prints 150 characters per second and comes with a 512K copy buffer (stores input from the printer before printing).

Product Name: Braille-N-Print

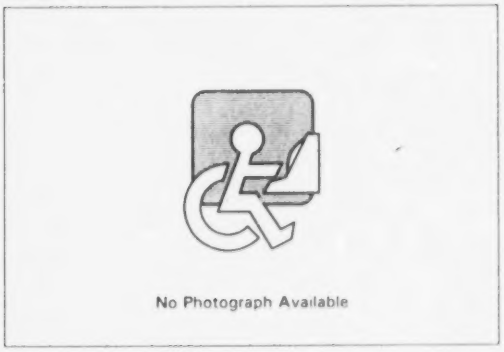
Vendor: HumanWare, Inc.

Computer:

Cost: $1,025.00

Braille-N-Print is a grade two Braille translation device that works in conjunction with a standard Perkins Brailler. Braille-N-Print connects mechanically to the Perkins, decodes grade 1 and grade 2 Braille, and sends the decoded text to a standard printer. Thus the user may produce Braille output and inkprint output at the same time.

Two models are available: Mark II, for connection to multiple Perkins Braillers, and Slimline, for connection to a single Perkins Brailler. Contact manufacturer for details on purchasing Braille-N-Print with an Epson or Diconix printer.



Product Name: BrailleMate

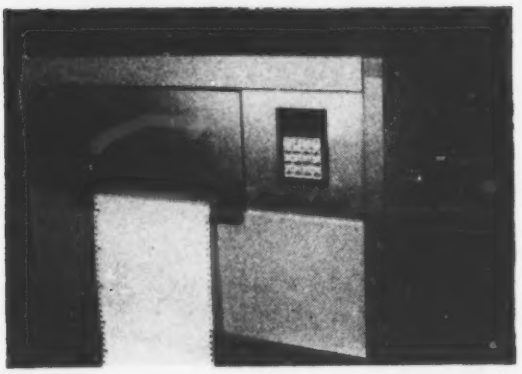
Vendor: TeleSensory, Inc.

Computer: All (Hardware Independent)

Cost: $1,595.00

The BrailleMate is a portable hand-held braille computer featuring an 8-key braille keyboard, 1 8-dot braille cell and a built-in speech synthesizer. The unit includes a word processor, calculator, telephone book and calendar. The BrailleMate has two serial ports and one parallel port for connecting to other devices such as computers, modems and printers. The BrailleMate can be combined with Navigator (see entry) in a 20, 40 or 80-character refreshable braille format.

The BrailleMate is powered by built-in rechargeable batteries and comes with an AC power adapter. The device's storage capacity can be increased with an optional memory card (extra). Contact TeleSensory, Inc. for more details.



Product Name: Braillo 200

Vendor: American Thermoform Corporation

Computer: IBM PC Family

Cost: $39,995.00

The Braillo 200 is a Braille printer that can print six and eight dot braille at 200 cells per second. A liquid crystal display indicates the page count. Operator controls include form feed, reset, and paper stop. The printer may be connected directly to a paper cutter. The page lenths and line length are both adjustable; the maximum line length is 42 characters.

No Photograph Available

Product Name: Braillo 400 S

Vendor: American Thermoform Corporation

Computer: IBM PC Family

Cost: $77,995.00

The Braillo 400 S is a Braille printer that can print six and eight dot braille at 400 cells per second. A liquid crystal display indicates the page count. Operator controls include form feed, reset, and paper stop. The printer may be connected directly to a paper cutter. The page lenths and line length are both adjustable; the maximum line length is 42 characters.

Product Name: Braillo Comet

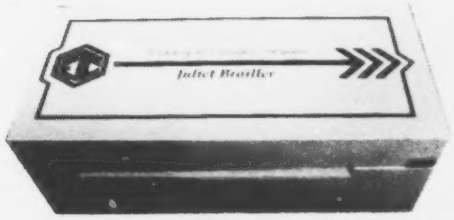
Vendor: American Thermoform Corporation

Computer: IBM PC Family

Cost: $3,795.00

The Braillo 90 is a Braille printer that can print six and eight dot braille at 50-75 cells per second. The Braillo 90 can also print graphics. The line and page lengths can be adjusted, as can the dot height (for different thicknesses of paper). The printer uses continuous pin feed fanfold paper, and stops automatically when out of paper. On top of the printer are switches for line feed, form feed, and on-line/off-line.

Contact manufacturer for information on the graphics option (extra).



Product Name: Juliet Brailler

Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Cost: $3,995.00

Juliet is an interpoint (capable of printing on both sides of a page) braille printer that has a printing speed of 42 to 56 characters per second. It will print on paper up to 15 inches wide or a maximum of 56 braille cells per line. Juliet can produce text and graphics on the same page. A calculator style keypad is used to configure the printer.

Juliet has both serial and parallel connection ports. Braille translation software (extra) is required to produce grade 2 braille with the Juliet. Contact Enabling Technologies Company for more details.

Product Name: KeyBraille

Vendor: HumanWare, Inc.

Computer: Toshiba Laptops

Cost: $5,025.00 - $7,025.00

KeyBraille is a Braille output display for Toshiba portable computers. The Braille display and a six-key Braille keyboard are located at the front of the KeyBraille; the rest of the KeyBraille is a platform for the portable computer. The KeyBraille has five cells which display line and column information and screen attributes. The reading display is used to provide Braille translation of the computer screen; capital letters are represented by vibrating cells.

KeyBraille is available in two models: one with a 20-cell reading display, and one with a 40-cell reading display.

Product Name: Marathon Brailler

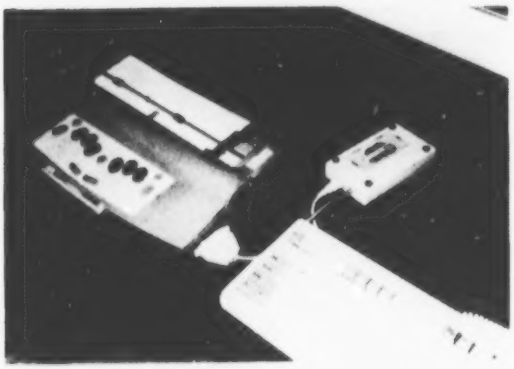
Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Cost: $12,995.00

Marathon Brailler is a braille printer that embosses at a speed of 200 characters per second. The Marathon Brailler embosses on tractor feed paper, in widths from 1.5 to 13.5 inches, page lengths of 3 to 14 inches and paper weights of 20 to 100 pound tag. The user sets printing control parameters with a built-in keypad (no dip switches). Up to 16 different sets of parameters can be stored in the Marathon's permanent memory. Eight pre-programmed sets for popular microcomputer configurations are provided with the system. Control parameters can be verified by looking at a visual display or by printing them out on the brailler.

A typewriter style keyboard that can connect directly to the Marathon is available as an option. When used with Braille translation software (extra), the printer is capable of producing grade 2 braille.



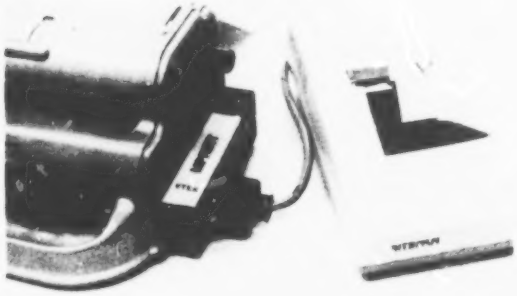
Product Name: Mountbatten Brailler

Vendor: HumanWare, Inc.

Computer: IBM PC Family

Cost: $2,495.00 - $3,295.00

The Mountbatten Brailler is a portable braille writing device that also serves as a braille printer for a computer. The Mountbatten has a standard braille keyboard for typing text; the text can appear directly on braille printout, and can simultaneously be sent to a computer or standard ink printer if desired. The device will translate grade 2 braille typed on the keyboard into grade 1 braille and vice versa for printing on a printer or transferring to a computer. The user can also attach a standard QWERTY computer keyboard to the Mountbatten; text typed on that keyboard can automatically be translated into grade 2 braille by the Mountbatten. The braille embosser in the Moutbatten has an automatic correction feature for fixing mistakes on printed braille. It is possible to turn the braille printing off to use the Mountbatten as a silent notetaker. There is 32K of memory available for storing files, with an option to upgrade to 128K. The Mountbatten has a graphics mode for printing braille graphics. Variable impact adjustments and multi-strike settings enable various materials (such as nylon, plastic and metal foils) to be embossed.



Product Name: MPRINT

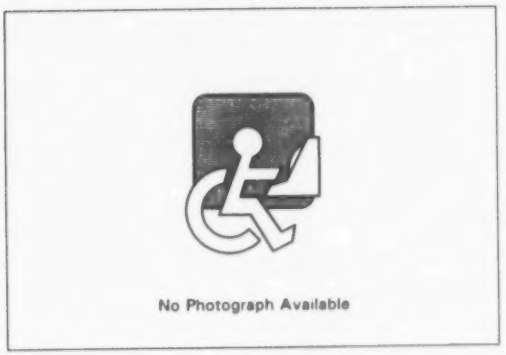
Vendor: TeleSensory, Inc.

Computer: All (Hardware Independent)

Cost: $995.00

MPRINT is a device that connects to a Perkins Brailler and sends the same characters being embossed on the Perkins to a standard printer to be printed as standard alphabetic characters. Each line on the Perkins appears as an individual line on the ink printer. Preset default positions are provided for margins, capitalization, and spacing. MPRINT automatically expands grade two braille into full ASCII text for printing. Alternatively, the user can print the grade two characters directly for learning and reviewing.

The MPRINT has additional features, such as more flexible formatting and the ability to delete the last few characters sent. Most standard serial or parallel printers will work with MPRINT. The product cost includes a printer.



Product Name: Ohtsuki BT-5000 Braille/Print Printer

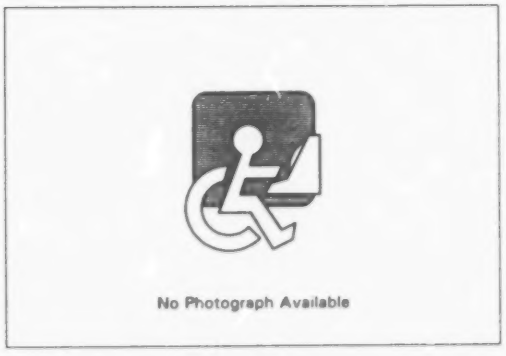
Vendor: American Thermoform Corporation

Computer: Apple II Family, IBM PC Family

Cost: $4,695.00

Ohtsuki Printer is a braille printer capable of producing parallel lines of braille and standard ink print. The user sends the printer a grade 1 or grade 2 braille file via a computer's serial or parallel port, and the printer can print only standard ink print (dot matrix), only braille, or both types on alternate lines. The speed of printing is slightly lower when both types are used. Grade 2 braille can also be printed, but only if the user has the necessary translation software on the computer. Either single sheet paper or continuous feed paper may be used.

The manufacturer is able to provide the necessary brailling paper and the ink cartridges for ink printing. Contact them about the cost.



Product Name: Personal Touch

Vendor: Blazie Engineering

Computer: IBM PC Family

Cost: $5,500.00

The Personal Touch is a portable braille device that features a 20-cell braille display, braille keyboard, word processing features, file management commands and the ability to communicate with other electronic devices. Word processing capabilities include search cut, paste, insert and delete. With PC Monitor software (included) the Personal Touch can be used to read text from the IBM computer display and serve as the computer's keyboard. Approximately 200 pages of braille, divided into a maximum of 96 files, can be stored in the unit's memory.

Product Name: Ransley Braille Interface (RBI)

Vendor: HumanWare, Inc.

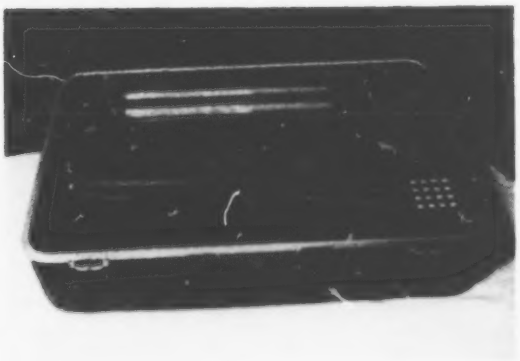
Computer: All (Hardware Independent)

Manual Form:

Cost: $1,010.00

The Ransley Braille Interface (RBI) is a box that connects between any standard computer or computerized source and any standard Braille embosser. Automatically formatted Grade II Braille can then be produced in the same way that printed output would be generated from a non-Braille printer.

Knowledge of Braille is not required to use the RBI. The RBI is appropriate for low-volume production of materials that do not require special formatting.



Product Name: Romeo Brailler

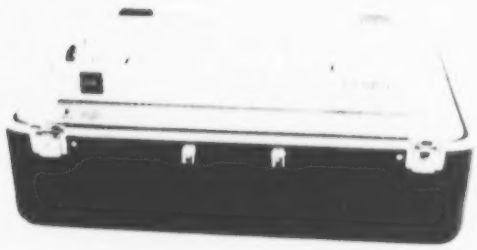
Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Cost: $2,995.00 - $3,795.00

Romeo Brailler is a braille printer capable of printing grade 1 or "computer" braille from a computer text file, or grade 2 braille when used with a braille translation program. The user can either send the device a computer braille text file via a Centronics parallel interface or RS-232C serial interface; or type braille text in directly on an optional external braille keyboard. The Romeo prints in 6-dot or 8-dot braille with 42 cells to the line, in 80 to 160 column mode. An audible paper out detector is provided. The Romeo uses tractor feed paper, and comes in a suitcase-style case with handle.

The Romeo Brailler comes in two models: RB20 prints up to 20 characters per second, and RB40 prints up to 40 characters per second.



Product Name: Thiel Braille Printer BETA X-3

Vendor: Blazie Engineering

Computer: All (Hardware Independent)

Cost: Contact manufacturer

BETA X-3 is a portable braille printer based on the Thiel Printer technology. The user may either enter braille on the BETA X-3's keyboard or input computer braille text from a computer. Grades 1 and 2 braille, notation and mathematic script can be printed, and 6- or 8-dot braille are supported. Different braille character sets such as German Braille may be selected. Raised dot graphics can be created as well. 11 to 42 characters per line and 10 to 39 lines per page are possible. The BETA X-3 uses tractor paper feed.

Text sent to the BETA X-3 from another device must be already translated if the user desires grade 2 braille. ASCII characters sent will be printed as the equivalent (uncontracted) braille. An alphanumeric keyboard is available at extra cost ($450.00). Contact manufacturer for details.

Product Name: VersaPoint-40 Braille Embosser

Vendor: TeleSensory, Inc.

Computer: All (Hardware Independent)

Cost: $3,795.00

VersaPoint-40 Braille Embosser is a 40 character per second braille embosser. The system has a moveable platen which allows the VersaPoint to place a braille dot anywhere on the page. VersaPoint uses solenoids to generate its braille characters. Each solenoid only needs to braille four cells per line, which reduces strain on the embossing heads. Paper type and width are user selectable up to 13 inches. VersaPoint uses tractor fed paper, prints six- or eight-dot braille, has a 30,000 character buffer, and uses standard parallel and serial ports. All configuration control parameters are easily set through the control panel rather than DIP switches.

The placement of the braille dots is completely software controlled, which enables the use of graphics packages represented by dots, such as VersaPoint Graphics, or sideways embossing to allow printing of a full screen of information that retains exact screen format. The VersaPoint is available with an optional carrying case.

Chapter 16

Speech Synthesizers

This chapter includes both hardware and software speech synthesizers. Together with a "text-to-speech" program (frequently provided with the synthesizer), these devices can produce phonetically correct speech from electronic text. This makes speech synthesizers suitable for a number of different applications, including voice output software for communication (Chapters 20 and 22), voice output educational programs (Chapter 20), and screen access programs for visually impaired computer users (Chapter 11).

These synthesizers are components designed to be used by other application programs. Some are circuit cards that install inside a computer; others are external components that connect to an input/output port on the computer. Some brands are designed for specific software; others can be operated with a wide variety of software.

Hardware and software products that use speech synthesizers are cross-listed under a number of functions in Index 1, including Screen to Voice (SV), Phone Control (PC) and Education, Training and Therapy (ET). In Index 2, check the feature Output/Display: Speech. Contact the synthesizer manufacturer for more information about what software works with a particular model.

The following product entries appear in this chapter:

Accent-1600, *445*
Accent-MC, *445*
Accent-Mini, *446*
Accent-PC, *446*
Accent-SA, *447*
Accent-SX, *447*
Artic TransPort, *448*
Audapter Speech System, *448*
CallText 5000, *449*
DECtalk, *449*
DoubleTalk, *450*
Echo II, *450*
Echo LC, *451*
Echo PCII, *451*
Echo-PC, *452*
Keynote GOLD, *452*
MultiVoice, *453*
Personal Speech System, *453*
RealVoice PC, *454*
Slotbuster II, *454*
Sounding Board, *455*
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SynPhonix 210 and 215, *456*
SynPhonix 220 and 225, *456*
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SynPhonix 250 and 255, *457*
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Televox, *458*
Type-'N-Talk, *459*
Ufonic Voice System, *459*
Verbette Mark I, *460*
Verbette Mark II, *460*
VIC-Talker / 64-128 Talker, *461*
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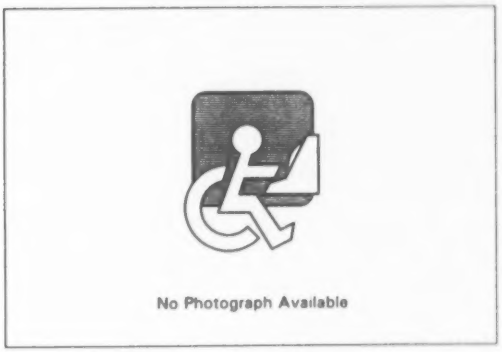
The following products from other chapters can also be used as Speech Synthesizers:

Braille 'n Speak, *400*
DAC, *99*
DECtalk PC, *402*
Handy Speech Communication Aide, *105*
IntroVoice VI, *325*
Micro IntroVoice, *336*
PopComm, *751*
Porta-Voice II, *112*
SoundProof, *423*
Voice Master Key System and Key System II, *371*



Product Name: Accent-1600
Vendor: Aicom Corporation
Computer: Toshiba Laptops
Cost: $625.00 each

Accent-1600 is a single board speech synthesizer that plugs into the modem slot of a Toshiba T1100-plus, T1200, T1600, and T3100SX to provide speech synthesis. The Accent text processor can speak in two modes: text mode, which converts text to ordinary speech observing preprogrammed grammatical and other rules, and spell mode, which speaks all text and punctuation character by character. Other features include: a standard text processor with a preprogrammed vocabulary of over 20,000 words; speech rate of approximately 60 to 850 words per minute; use of CTRL-X to instantly empty the speech buffer; and a Downloadable Custom Dictionary (DCD) to create dictionaries of roughly 500 ten-character words.

A screen review voice output program must be purchased separately to operate Accent-1600.

Product Name: Accent-MC
Vendor: Aicom Corporation
Computer: IBM PS/2 Family
Cost: $745.00

Accent-MC is a speech synthesis board that plugs into IBM PS/2 computers. Speech output comes directly from the PS/2 speaker if no external speaker or headphones are connected. The Accent text processor can speak in two modes: text mode, which converts text to speech using preprogrammed grammatical and other rules, and spell mode, which speaks all text and punctuation character by character. Other features include: a standard text processor with a preprogrammed vocabulary of more than 20,000 words; an adjustable speech rate of approximately 60 to 850 words per minute; use of CTRL-X to instantly empty the speech buffer; and a Downloadable Custom Dictionary (DCD) to create pronunciation dictionaries of roughly 500 words of up to 10 characters each. A software program (included) allows synthesizer settings to be saved for later use.

The Accent-MC has a 2K text buffer. Two 3.5 mm jacks for plugging in an external speaker or headphones are included. A foot pedal for controlling Accent-MC is available (extra). A screen review software program must be purchased separately; contact manufacturer for information on compatible programs.

Product Name: Accent-Mini
Vendor: Aicom Corporation
Computer: IBM PC Family
Cost: $545.00

Accent-Mini is a half-length card that plugs into an IBM PC or a compatible to provide speech synthesis. The Accent text processor can speak in two modes: text mode, which converts text to ordinary speech observing preprogrammed grammatical and other rules, and spell mode, which speaks all text and punctuation character by character. Other features include: a standard text processor with a preprogrammed vocabulary of over 20,000 words; speech rate of approximately 60 to 850 words per minute; use of CTRL-X to instantly empty the speech buffer; and a Downloadable Custom Dictionary (DCD) to create dictionaries of roughly 250 ten-character words. The utility program SETMINI.EXE (included) permits system parameters and configurations to be changed.

A screen review voice output program must be purchased separately to operate Accent-Mini.

Product Name: Accent-PC
Vendor: Aicom Corporation
Computer: IBM PC Family
Cost: $745.00

Accent-PC is a single board microcomputer that plugs into an IBM PC to provide speech synthesis. The Accent text processor can speak in two modes: text mode, which converts text to ordinary speech observing preprogrammed grammatical and other rules, and spell mode, which speaks all text and punctuation character by character. Other features include: a standard text processor with a preprogrammed vocabulary of over 20,000 words; speech rate of approximately 60 to 850 words per minute; use of CTRL-X to instantly empty the speech buffer; and a Downloadable Custom Dictionary (DCD) to create dictionaries of roughly 500 ten-character words.

A standard RS-232C serial port is provided for interface with a computer, terminal, or printer; the user can select either the PC or the RS-232C as Accent-PC's host. A screen review voice output program must be purchased separately to operate Accent-PC.

Product Name: Accent-SA
Vendor: Aicom Corporation
Computer:
Cost: $995.00

Accent-SA is a stand-alone version of the Accent-PC (see entry). The Accent text processor can speak in two modes: text mode, which converts text to ordinary speech observing preprogrammed grammatical and other rules, and spell mode, which speaks all text and punctuation character by character. Other features include: a standard text processor with a preprogrammed vocabulary of over 20,000 words; speech rate of approximately 60 to 850 words per minute; use of CTRL-X to instantly empty the speech buffer; and a Downloadable Custom Dictionary (DCD) to create dictionaries of roughly 500 ten-character words.

A standard RS-232C serial port is provided for interface with a computer; a battery and AC adapter are also included. Speech output software must be purchased separately.

Product Name: Accent-SX
Vendor: Aicom Corporation
Computer: Toshiba Laptops
Cost: $675.00

Accent-SX is a speech synthesis board that plugs directly into the modem slot of the Toshiba T1200/XE, T1800, T2000, T2000SX, and T2000SXE computers. The Accent text processor can produce speech in two modes: text mode, which converts text to ordinary speech, using preprogrammed grammatical and other rules, and spell mode, which speaks all text and punctuation character by character. Other features include: a standard text processor with a preprogrammed vocabulary of more than 20,000 words; an adjustable speech rate of approximately 60 to 850 words per minute; use of CTRL-X to instantly empty the speech buffer; and a Downloadable Custom Dictionary (DCD) to create dictionaries of roughly 500 words of up to 10 characters each. A utility program, SETMINI.EXE (included), permits system parameters and configurations to be changed.

The Accent-SX has one 3.5 mm phone jack for use with headphones. A screen review software program must be purchased separately to operate Accent-SX; contact manufacturer for details about compatible programs.

Product Name: Artic TransPort

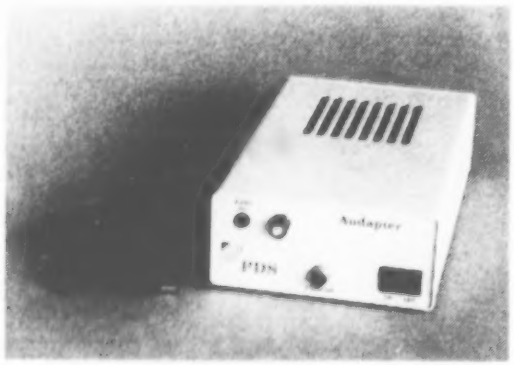
Vendor: Artic Technologies

Computer: IBM PC Family, IBM PS/2 Family

Cost: $895.00 - $1,295.00

Artic TransPort is a portable pocket-sized speech synthesizer. Artic TransPort connects to the computer's serial port and is powered by its own rechargeable batteries. An internal memory is provided, for storing configuration, data and program files. These can then be loaded into a computer when the Artic TransPort is connected.

Artic TransPort is available in two models. TransPort 615 contains the Business Vision screen reading program stored in ROM, ready to be loaded on to a computer when the TransPort is connected. The transfer can be done automatically, with no need to read information on the computer screen. Transport 611 comes without Business Vision, for use with other screen reading software.



Product Name: Audapter Speech System

Vendor: Personal Data Systems, Inc.

Computer: All (Hardware Independent)

Cost: $895.00

Audapter is a speech output hardware system for converting alpha-numeric text to speech. The speech rate ranges up to 700 words per minute, and instantaneous speech halt controls are included. Menu selections allow users to set speech rate, voice, pitch, and other parameters, and to save settings in non-volatile memory.

Audapter can be used with any computer that can send ASCII text over a standard serial or parallel interface. No additional software is required to run Audapter. Options include a parallel port and an internal battery pack. Speech output software must be purchased separately.

Product Name: CallText 5000

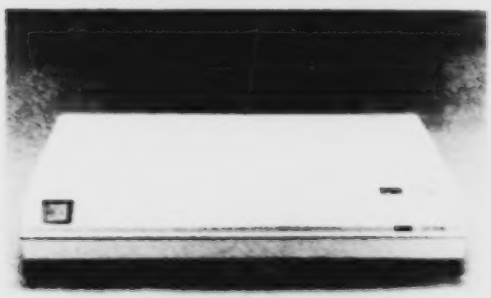
Vendor: Centigram

Computer: IBM PC Family

Cost: $3,225.00

CallText 5000 is an internal circuit card that provides highly intelligible synthesized speech output for the IBM-PC. CallText 5000 converts any sequence of ASCII characters routed to it into English speech. A speaker can be connected directly to the board. CallText 5000 can also answer incoming phone calls, send a synthesized speech message, and dial outgoing calls. Three different male voices are provided.

For information about what programs designed for voice output are compatible with CallText 5000 (such as screen display to voice output programs), contact the manufacturer. Price is negotiable for consumers with disabilities.



Product Name: DECtalk

Vendor: Digital Equipment Corporation

Computer: All (Hardware Independent)

Cost: $4,495.00

DECtalk is a full-featured voice synthesizer compatible with many computer systems. DECtalk offers nine different voices (four male, four female, one child) as well as sentence rhythm and intonation. DECtalk converts text sent from the host computer to a pronunciation code using a combination of dictionaries and letter-to-sound rules. DECtalk then takes into consideration surrounding words and their effects on individual pronunciations. Rate of speech is adjustable from 120 to 350 words per minute. DECtalk provides a user-specified dictionary for commonly used acronyms, trade terms, and special words. DECtalk may "speak" through its internal speaker, headphones, an external speaker, or over the telephone.

DECtalk accepts input from the computer through a standard RS-232C communications port. For a demonstration of DECtalk over the telephone, interested parties may call (800) DEC-VOIC.

Product Name: DoubleTalk

Vendor: RC Systems, Inc.

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $249.95 - $295.00

DoubleTalk is a speech synthesizer card that plugs into Apple II computer. DoubleTalk is actually comprised of two synthesizers. One works with software written for the Slotbuster (see entry), which translates printed text from any program into speech. The other is a Linear Predictive Coding (LPC) synthesizer designed primarily to work with programs that employ digitized speech, specifically those used in Echo-compatible educational programs. The appropriate synthesizer is automatically activated when a software program is run. Three independent built-in tone generators are included to permit music composition and playback. A disk of accessory and game software is also included.

The Apple IIe version of DoubleTalk ($249.95) plugs into any Apple IIe slot except slot 3, and needs to be connected to the computer's internal speaker. The DoubleTalk LT ($295.00) is compatible with software written for Echo IIc and Echo LC speech synthesizers, and can also be connected via serial port to a PC. The IBM version of DoubleTalk is $279.00.

Product Name: Echo II

Vendor: Echo Speech Corporation

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $116.95

Echo II (formerly Echo IIb) is a speech synthesizer for the Apple IIGS, II+, and IIe. The Echo II consists of a circuit card (fits in an expansion slot in the Apple), and an external speaker unit with volume control and headphone jack.

Programs can be written for the Echo II; there are also many programs already designed for use with the Echo II (contact Echo Speech Corporation for a list). This model will also work with many programs written for the Echo IIb or Echo +. The Echo II comes with a disk containing a number of demonstration and utility programs.

Product Name: Echo LC

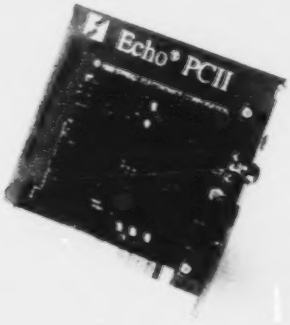
Vendor: Echo Speech Corporation

Computer: Apple IIc, Apple Macintosh Family

Cost: $116.95

Echo LC is a speech synthesizer for Apple IIc, Apple IIc+ or Macintosh LC computers. If used on the Mac LC, the Mac must be in IIe emulation mode. The Echo LC plugs into the modem port which is built into the computer. The Echo LC produces synthesized speech and also contains a dictionary of words encoded in female voice for natural-sounding playback. Volume control and headphone jack are provided.

The Echo LC is the successor to the Cricket and Echo IIc. It is compatible with the same body of software which supported these earlier products.



Product Name: Echo PCII

Vendor: Echo Speech Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: $89.00

Echo PCII is a speech synthesizer for the IBM PC, XT, AT, PS/2 Models 25 and 30, and compatibles. The Echo PCII comes with a text-to-speech program, Textalker, as well as a dictionary of over 1000 words which have been encoded in female voice for natural-sounding playback. The Echo PCII is compatible with numerous third-party software titles in early and special education; contact manufacturer for titles. The Echo PCII is also capable of emulating the IBM Speech Adaptor product, and will work with titles written to support it, such as "Listen to Learn."

The Echo PCII package is comprised of the Echo circuit board, the necessary software on 3.5" and 5.25" disks, an external speaker with headphone jack and volume control, and documentation.

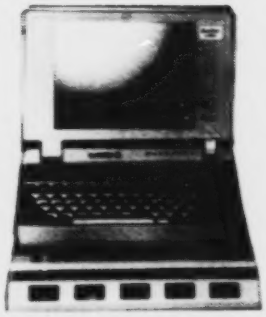
Product Name: Echo-PC

Vendor: Echo Speech Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: $116.95

The Echo-PC is a speech synthesizer for IBM PC and compatible computers. A stand-alone device which operates off the computer's serial port, the Echo-PC speaks ASCII text sent to it. The Echo-PC is compatible with most screen reading programs used by blind individuals. It features 16 different rates of speech, weighs less than a pound, and is battery operated.



Product Name: Keynote GOLD

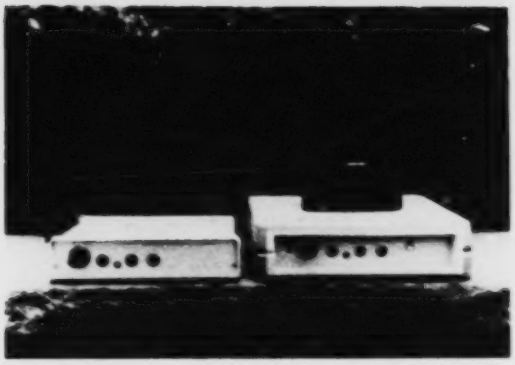
Vendor: HumanWare, Inc.

Computer: IBM PC Family, Toshiba Laptops

Cost: $1,500.00 - $5,000.00

Keynote GOLD is a speech synthesizer available for Toshiba laptops and IBM computers as either an internal card or external box. The synthesizer has 256K of memory and its own digital speech processor so that the computer's memory is not required for speech output.

Three models are available: a half size internal card for PCs, a card for laptops, and a stand alone version which plugs into the serial port. Keynote GOLD works with MasterTouch screen reading software as well as Keysoft and Sound-Proof (screen access and word processing software). Several languages are also available.



Product Name: MultiVoice

Vendor: Institute on Applied Technology, Children's Hospital

Computer: All (Hardware Independent)

Cost: $1,500.00

MultiVoice is a battery powered portable speech synthesizer based on Digital's DECtalk technology. MultiVoice connects to a computer's serial port, and thus can be used with any software or device that can drive a serial speech synthesizer. The MultiVoice has ten voices: four male, four female, one child and one custom.

Options include external speakers and a carrying case.

Product Name: Personal Speech System

Vendor: Vysion, Inc.

Computer: All (Hardware Independent)

Cost: $449.00

Personal Speech System (PSS) is a self-contained external speech synthesizer that connects to the serial or parallel port of a computer. Data sent to that port goes to the PSS as it would normally go to a printer, and comes out as synthesized speech from the system's internal speaker. Pronunciation is determined by phonetic rules progammed into the PSS. Optional phonetic rules for exceptions and abbreviations may be programmed in by the user, and text may be sent in standard orthographic or special phonetic spellings. The PSS has music capabilities. A 3,500 character buffer is provided, so that no delay in speech transmission occurs. Inflection, rate and amplitude of the speech are all adjustable.

The PSS also has its own auxiliary serial and parallel ports, so a printer can remain connected while the PSS is hooked up. Contact the manufacturer about voice-output software written for the PSS.

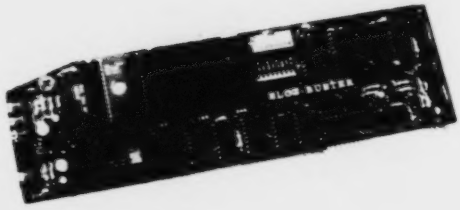
Product Name: RealVoice PC

Vendor: Adaptive Communication Systems Technologies

Computer: IBM PC Family

Cost: $1,595.00

RealVoice PC is speech synthesizer hardware for IBM PC desktop and portable computers. The system features Adaptive Communication Systems' RealVoice full-featured, diphone-based voice synthesizer with more natural rhythm and intonation available in either male or female voice. The RealVoice PC plugs into the computer serial port (a cable is included). If the synthesizer is inactive for more than 30 seconds, the battery is turned off and reactivated at the next output from the computer.



Product Name: Slotbuster II

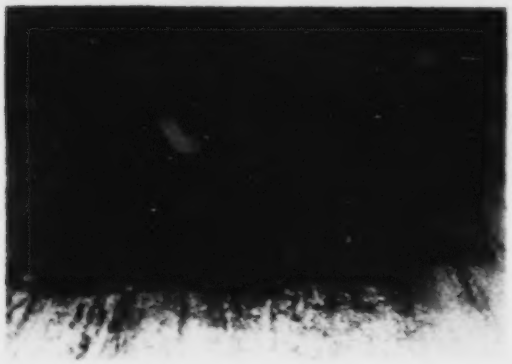
Vendor: RC Systems, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $149.95

Slotbuster II is a multifunction circuit card that will fit in any expansion slot of the Apple II+, IIe, or IIgs. Slotbuster can function as a speech synthesizer, a serial printer port (RS-232C), and a character buffer. The speech synthesizer has built-in firmware that provides the phonetic rules for English pronunciation; an auxiliary set of up to 1,000 rules can be created and stored by the user. The synthesizer can speak text by the word, by the character, or phonetically, and the sound can come through the internal Apple speaker or through an external speaker (not included). Various features of speech are adjustable, including articulation, inflection, vocal tract frequency, glide, pitch, rate, volume, punctuation level, and video echo on/off. The serial printer port functions as a standard RS-232C port does; a parallel printer port, modem port, clock/calendar, and BSR port are also available. The buffer holds at least 8,000 characters and up to 64K of output to be sent to a printer or the synthesizer while the computer is used for other tasks.

All ports and the synthesizer are sold as options for Slotbuster II and may be added by the user at any time for an additional cost.



Product Name: Sounding Board

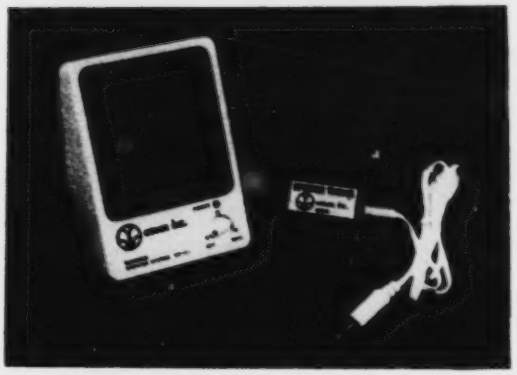
Vendor: GW Micro

Computer: IBM PC Family, IBM PS/2 Models 25/30, Toshiba Laptops

Cost: $395.00 each

The Sounding Board is a speech synthesizer that is installed inside the computer. Features include "fastforward" and "rewind," hyperscan, and format and capitalization cues. The Sounding Board has ten levels of pitch, volume, and speech rate, and 26 levels of tone. The system also includes interactive "hot keys" for entering commands.

The Sounding Board comes in four models. The Sounding Board, for IBM PC and PS/2 Model 25 and 30 computers, has 16K onboard RAM, and an external Super Speaker. The Sounding Board LT, XE, and the Sounding Board Lite, for Toshiba laptop computers, include a monophonic headset. All models require purchase of speech synthesis software; contact manufacturer for information on compatible programs. The warranty lasts for one year.



Product Name: Speech Thing -

Vendor: Covox, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $99.95

Speech Thing is a digital-to-analog speech synthesizer. The hardware component attaches in-line to the parallel printer port and does not interfere with printer operation. The software consists of a talking calculator, a talking blackjack game, a music sampler keyboard, a graphics-based sound editor, a special effects control panel, and prerecorded sounds for inclusion in user-written programs. Also included is a copy of SmoothTalker from First Byte (see entry). SmoothTalker is available either in Version 2, which occupies 80K and operates on any PC compatible, or Version 3, which occupies 170K and requires an 80286-based AT compatible computer.

Speech Thing comes with speaker with headphone jack, power cable, software, and manual. Speech for the Speech Thing is recorded using Covox's Voice Master Key System (extra; see entry). Speech Thing hardware and components are available separately; contact manufacturer for details.

Product Name: SynPhonix 210 and 215

Vendor: Artic Technologies

Computer: IBM PC Family, IBM PS/2 Models 25/30

Cost: $395.00 - $895.00

SynPhonix 210 is an internal speech synthesizer for IBM PC and PS/2 Models 25 and 30 computers. Text sent from the computer to the synthesizer is translated into phonetically correct English pronunciation and spoken in a synthesized voice. The voice can come through the on-board speaker, a small external speaker, or headphones (all included). The user can control various qualities of the speech, including rate, pitch, and amplitude. The SynPhonix 210 can also be used to produce music, sound effects, and simulated singing. Volume and treble controls are located externally. The Artic Switch Interface (built in) allows switches to be plugged into the computer for use with Artic's screen access programs.

SynPhonix 210 is $395.00, including PortTalk, a software program allowing the user to route output to the SynPhonix as if it were connected to a printer port. SynPhonix 215 is the SynPhonix 210 bundled with the VEST text-to-speech translator and either Artic Vision ($795.00) or Business Vision ($895.00) speech synthesis software. Options for the 215 include Turbo-Pedals ($150.00) which can be pressed with the foot to provide Fast Forward, Rewind, access to Review mode, and instant Quiet capability.

Product Name: SynPhonix 220 and 225

Vendor: Artic Technologies

Computer: Toshiba Laptops

Cost: $495.00 - $995.00

SynPhonix 220 is an internal speech synthesizer for Toshiba laptop computers (except the T-1000 and T-1200/SX models). Text sent from the computer to the synthesizer is translated into phonetically correct English pronunciation and spoken in a synthesized voice. The voice can come through the on-board speaker, a small external speaker, or headphones (all included). The user can control various qualities of the speech, including rate, pitch, and amplitude. Volume and treble controls are located externally. The Artic Switch Interface (built in) allows switches to be plugged into the computer for use with Artic's screen access program.

SynPhonix 220 is $495.00, including PortTalk, a software program allowing the user to route output to the SynPhonix as if it were connected to a printer port. SynPhonix 215 is the SynPhonix 210 bundled with the VEST text-to-speech translator and either Artic Vision ($895.00) or Business Vision ($995.00) speech synthesis software. Options for the 215 include Turbo-Pedals ($150.00) which can be pressed with the foot to provide Fast Forward, Rewind, access to Review mode, and instant Quiet capability.

Product Name: SynPhonix 230 and 235

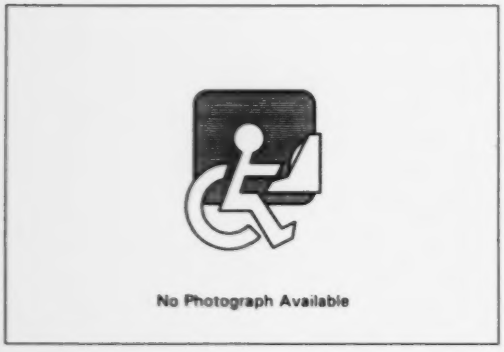
Vendor: Artic Technologies

Computer: Toshiba Laptops

Cost: $595.00 - $1,095.00

SynPhonix 230 is an internal speech synthesizer for the original Toshiba T-1000 laptop computer (the models T-1000SE, XE, and LE require the SynPhonix 250; see entry). Text sent from the computer to the synthesizer is translated into phonetically correct English pronunciation and spoken in a synthesized voice. The voice can come through the on-board speaker, a small external speaker, or headphones (all included). The user can control various qualities of the speech, including rate, pitch, and amplitude. Volume and treble controls are located externally. The Artic Switch Interface (built in) allows switches to be plugged into the computer for use with Artic's screen access program.

SynPhonix 230 is $595.00, including PortTalk, a software program allowing the user to route output to the SynPhonix as if it were connected to a printer port. SynPhonix 235 is the SynPhonix 230 bundled with the VEST text-to-speech translator and either Artic Vision ($995.00) or Business Vision ($1,095.00) speech synthesis software. Options include Turbo-Pedals ($150.00) which can be pressed with the foot to provide Fast Forward, Rewind, access to Review mode, and instant Quiet capability.



Product Name: SynPhonix 250 and 255

Vendor: Artic Technologies

Computer: Toshiba Laptops

Cost: $695.00 - $1,195.00

SynPhonix 250 is an internal speech synthesizer for Toshiba T-1000/SE, /XE, and /LE laptop computers. Text sent from the computer to the synthesizer is translated into phonetically correct English pronunciation and spoken in a synthesized voice. The voice can come through the on-board speaker, a small external speaker, or headphones (all included). The user can control various qualities of the speech, including rate, pitch, and amplitude. Volume and treble controls are located externally. The Artic Switch Interface (built in) allows switches to be plugged into the computer for use with Artic's screen access program.

SynPhonix 250 is $695.00, including PortTalk, a software program allowing the user to route output to the SynPhonix as if it were connected to a printer port. SynPhonix 255 is the SynPhonix 250 bundled with the VEST text-to-speech translator and either Artic Vision ($1,095.00) or Business Vision ($1,195.00) speech synthesis software. Options for the 255 include Turbo-Pedals ($150.00) which can be pressed with the foot to provide Fast Forward, Rewind, access to Review mode, and instant Quiet capability.

Product Name: SynPhonix 310 and 315

Vendor: Artic Technologies

Computer: IBM PS/2 Family

Cost: $695.00 - $1,095.00

SynPhonix 310 is an internal speech synthesizer for IBM PS/2 Models 50 and above (MicroChannel based) computers. Text sent from the computer to the synthesizer is translated into phonetically correct English pronunciation and spoken in a synthesized voice. The voice can come through the on-board speaker, a small external speaker, or headphones (all included). The user can control various qualities of the speech, including rate, pitch, and amplitude. Volume and treble controls are located externally. The Artic Switch Interface (built in) allows switches to be plugged into the computer for use with Artic's screen access program.

SynPhonix 310 is $695.00, including PortTalk, a software program allowing the user to route output to the SynPhonix as if it were connected to a printer port. SynPhonix 315 is the SynPhonix 310 bundled with the VEST text-to-speech translator and either Artic Vision ($995.00) or Business Vision ($1,095.00) speech synthesis software. Options for the 315 include Turbo-Pedals ($150.00) which can be pressed with the foot to provide Fast Forward, Rewind, access to Review mode, and instant Quiet capability.

Product Name: Televox

Vendor: Hexamedia

Computer: IBM PC Family

Cost: $1,895.00

Televox is a speech synthesizer and screen reading program designed to handle French language materials. The Edivox Voice Editor (included) will pronounce screen information (including text equivalents of symbols--"$" is pronounced "dollar") and text being entered. If the cursor is moved, Edivox will give information on the type of character that is being passed--letter, number, symbol, space, or blank line. The numeric keypad is used to move the cursor, and function keys are used to control speech commands. Rhythm and intonation may also be controlled.

Televox comes with Edivox and MS-DOS driver software, and an extension card. Options are: an external speaker with cable and volume control ($132.00) and a headset ($52.00). A telephone interface for dialing out and processing incoming calls, plus decoding touch-tone inputs, is available; contact manufacturer for more information.

Product Name: Type-'N-Talk

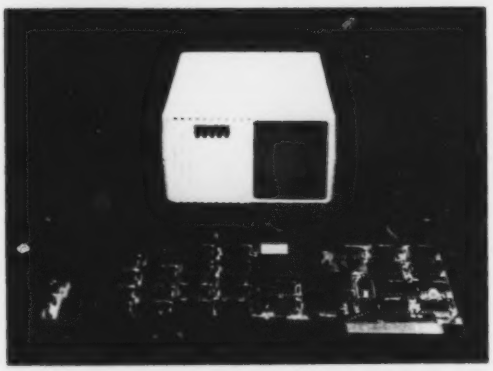
Vendor: Vysion, Inc.

Computer: All (Hardware Independent)

Cost: $299.00

Type-'N-Talk is a self-contained speech synthesizer that connects to a computer's serial port. Output can be routed to the Type-'N-Talk just as it is frequently routed to a printer or a monitor. Any characters sent to the Type-'N-Talk will be spoken as English words, according to the synthesizer's built-in rules of pronunciation. Text may be sent in either standard orthographic or phonetic spellings. A 750 character buffer is provided, allowing for no delay in voice transmission. Volume and frequency of speech are adjustable.

Contact the manufacturer for information about software written for use with the Type-'N-Talk.



Product Name: Ufonic Voice System

Vendor: Jostens Learning Corporation

Computer: Apple II Family

Cost: $200.00

Ufonic Voice System is a combination of an internal circuit card and external audio amplifier that provides digitized speech output for software. The circuit card fits into any available expansion slot in an Apple II, IIe, or IIGS.

Ufonic is available without the external amplifier, in which case listening must be done with headphones. Ufonic operates only with a special line of compatible educational software (extra); contact manufacturer for details.

Product Name: Verbette Mark I

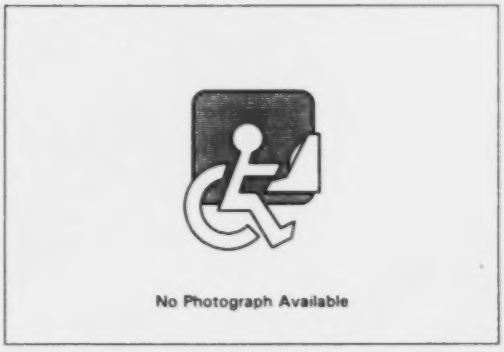
Vendor: Computer Conversations, Inc.

Computer: IBM PC Family

Cost: $349.95

The Verbette Mark I is a speech synthesis board that fits inside IBM PC computers. Accompanying software permits control from the keyboard of over 64 levels of speed, as well as volume, pitch, and frequency. Basic functions are controlled by using the ALT key in combination with another key. Two RCA jacks are provided so that a speaker and earphone may be connected simultaneously.

The Verbette Mark I is designed to work with Computer Conversations' Verbal Operating System (VOS; see entry). Both VOS and the Verbette screen processing software can be invoked with a single command.



Product Name: Verbette Mark II

Vendor: Computer Conversations, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $399.95

The Verbette Mark II is a speech synthesizer for use with the Verbal Operating System (VOS; see entry). The Mark II has 64 speed levels, 116 volume levels, 20 filter levels, and 20 pitch levels, all of which may be controlled via the keyboard. A user exception dictionary that allows users to define their own pronunciations of words or symbols is also included; the definitions are written in ASCII (use of phonemes is not required) and the limit of the dictionary is 2K of memory.

The Verbette Mark II operates on either an internal 9 volt battery (with a life of up to 10 hours) or AC current via an adapter (included). The Mark II will work with MS-DOS desktop, laptop, and hand-held computers with 8088, 8086, 80286, or 80386 microprocessors.

Product Name: VIC-Talker / 64-128 Talker

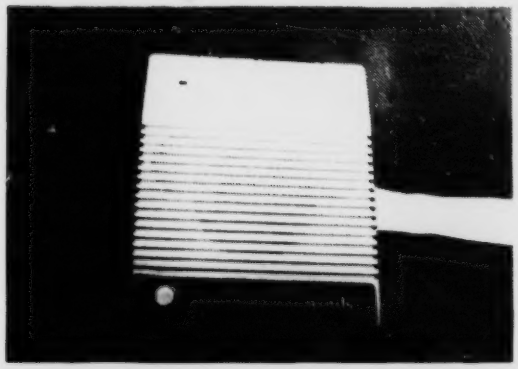
Vendor: Talktronics, Inc.

Computer: Commodore 64, Commodore VIC 20

Cost: $89.00

VIC-Talker and 64-128 Talker are speech synthesizers for the Commodore VIC-20 and C64, respectively. Both plug directly into the computer, and have pronunciation rules for speaking text, numeric expressions (time of day, fractions, dollars and cents, telephone numbers), and BASIC programs. A demo disk and application software are included.

VIC-Talker weighs less than 1 lb.; 64-Talker weighs 2 lbs.



Product Name: VocaLite

Vendor: Words+, Inc.

Computer: All (Hardware Independent)

Cost: $399.00

VocaLite is a stand alone, lightweight speech synthesizer. The synthesizer features Smooth Talker software (see separate entry) and a speaker/amplifier built into one unit. The device has a speaker, battery, volume control, and computer interface. The speech output is variable in pitch and speed but only male speech is provided.

VocaLite is compatible with most laptop and desktop computers. An upgrade is available for those users with Smooth Talker.

Chapter 17

Other Software and Hardware Adaptations

This chapter includes miscellaneous adaptations which do not fit into Chapters 10 - 16, but which are not applications software. Some examples of products in this chapter are: disk loaders, special desks, devices that slow computers down, systems for printing screen images, and software that will convert keyboard-operated programs into scanning programs.

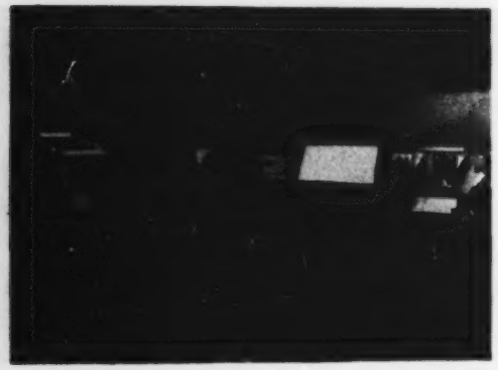
Adaptations that are designed to modify the operation of the standard keyboard, such as keyguards, are listed in Chapter 10.

The following product entries appear in this chapter:

AbleOffice, *465*
Apple II DOS 3.3 Manual, *465*
Apple IIGS Owner's Guide: Disk Edition, *466*
Arcademic Skill Builders In Math: Set-Ups for the AFC, *466*
Auditory Breakout Box, *467*
Braille-Labelled Diskettes, *467*
Brailled Keyboard Model--Apple IIe, *468*
CompuDesk HCP, *468*
Crank Adjustable Table, *469*
Disk Guide, *469*
Disk Guides, *470*
DOS Tape, *470*
Expanded Keyboard Pullout Drawer, *471*
FlipTrack OneOnOne Computer Training Courses, *471*
Governor, *472*
Height Adjustable Table, *472*
IntelliKeys Overlay Maker, *473*
Kennedy Switch Key Software, *473*
Laptrays, *474*
LittleJack, *474*
Master Talker, *475*
Media Handling Products, *475*
Modular Turntable Desks, *476*
Mouse XY Helper, *476*
Mousing Around, *477*
Multiport, *477*
Night-Off, *478*
Overlay Express, *478*
Overlays for the Expanded Membrane Keyboard, *479*
Peripheral Tester, *479*
Prairie Power Portable IIc System, *480*
RFI Multi-Use Desk/Table, *480*
Rx WorkStations, *481*
Scanning Conversion Program, *481*
Start Talking, *482*
Tables for Computer Workstations, *482*
Talk-to-Me Tutorial Cassettes, *483*
Talking Utilities for ProDOS, *483*
Tweedle-Dump, *484*
Up and Running, *484*
Vari-Hi Modular Compu-Desk, *485*
Variable Height Desk, *485*
Western Center Echo Synthesizer Package, *486*
Work Stations, *486*

The following products from other chapters can also be used as Other Software or Hardware Adaptations:

HX-20 Protective Cover, *269*
Moisture Guard, *279*
R/S IV Series Wireless Link, *392*
SafeSkin Keyboard Protector, *288*
Wireless Data Transmission System, *394*



Product Name: AbleOffice

Vendor: CRT, Inc.

Computer: IBM-PC XT, IBM PS/2 Family

Cost: $19.00 - $3,450.00

AbleOffice is a modular workstation which can be configured for computer users with a wide range of mobility or upper extremity disabilities. AbleOffice provides one of three levels of assistance: unpowered, powered with switch controls, and entirely computer controlled. A control program and robotic arm are also available. The fourteen available modules include a keyboard mount, a telephone platform, and file and reading reference carousels.

Contact manufacturer for further technical, price, and ordering information.

Product Name: Apple II DOS 3.3 Manual

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Electronic Manual

Cost: $40.00

This Apple II DOS 3.3 Manual is presented as ASCII text files on five disks. The DOS 3.3 Manual is designed for individuals with physical or visual impairments who are unable to use a standard printed manual.

If the computer cannot display lower case (e.g., Apple II+), a simple program must be written to convert the lower case letters of this DOS manual to upper case. Self-contained documentation is provided.

Product Name: Apple IIGS Owner's Guide: Disk Edition

Vendor: American Printing House for the Blind (APH)

Computer: Apple IIGS

Manual Form: Electronic Manual

Cost: $5.00

The Apple IIGS Owner's Guide: Disk Edition is an ASCII text version of Apple Computer, Inc.'s Apple IIGS Owner's Guide on a single disk. The disk contains a manual-reading program, permitting the user to read the entire guide with a speech synthesizer. The user may also print a large type or Braille copy of the text.

An appropriate Echo speech synthesizer is required.

Product Name: Arcademic Skill Builders In Math: Set-Ups for the AFC

Vendor: DLM, Inc.

Computer: Apple II Family

Manual Form: Electronic Manual

Cost: $10.00

This is a disk of ready-made "setups" for the Adaptive Firmware Card (Adaptive Peripherals), specifically tailored to the Arcademic Skill Builders in Math programs from DLM. The set-up disk provides the necessary initial programming so the programs can be used with the special input methods provided with the Adaptive Firmware Card, including the Unicorn Keyboard (Unicorn Engineering), assisted keyboard (one-finger operation), and scanning with one or two switches.

The Arcademic Skill Builders in Math programs (purchased separately) are: Alien Addition, Alligator Mix, Demolition Division, Dragon Mix, Meteor Multiplication, and Minus Mission.

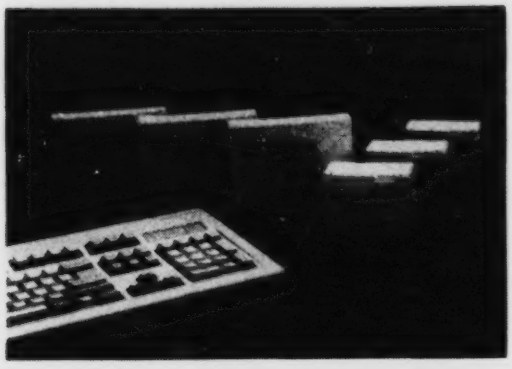
Product Name: Auditory Breakout Box

Vendor: Smith-Kettlewell Eye Research Institute

Computer: All (Hardware Independent)

Cost: $295.00

The Auditory Breakout Box is a computer accessory specifically designed for use by blind technicians. The box consists of two functionally separate parts. The first part works as a standard "breakout box" which allows users to create individual wiring schemes for the serial RS-232C computer interface. The jacks are arranged in the same physical shape as the commonly used 25-pin plugs and sockets, so that no numbering system need be devised for users. The other part consists of two audible logic probes which substitute for the red and green lights which visual instruments have to indicate. For example, this feature can be used to monitor whether or not information is being sent from a computer to a printer. An audio tape that includes samples of the sounds the device makes is included.



Product Name: Braille-Labelled Diskettes

Vendor: Electronic Visual Aids Specialists (EVAS)

Computer: All (Hardware Independent)

Cost: Contact manufacturer

Braille-Labelled Diskettes allow people who read Braille to determine the technical specification of a diskette and to create their own labels. An enclosed user kit contains pressure sensitive labels that may be embossed with information about the diskette contents and applied to the diskette.

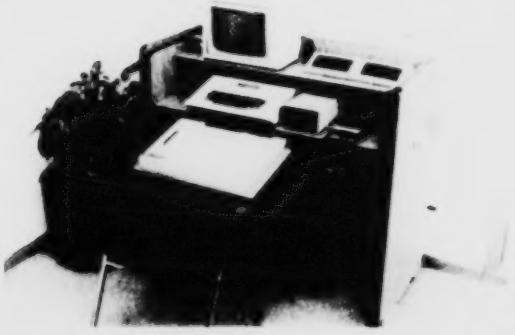
Product Name: Brailled Keyboard Model--Apple IIe

Vendor: American Printing House for the Blind (APH)

Computer: Apple IIe

Cost: $9.14/package of five

Brailled Keyboard Model--Apple IIe is a styrene model of a standard Apple IIe keyboard with keys identified in Braille. Certain keys with long names feature abbreviated or coded Braille identifications. The Brailled Keyboard Model is not an actual keyboard, but a training tool so that Braille readers can become comfortable with key positions before using an actual Apple IIe keyboard.



Product Name: CompuDesk HCP

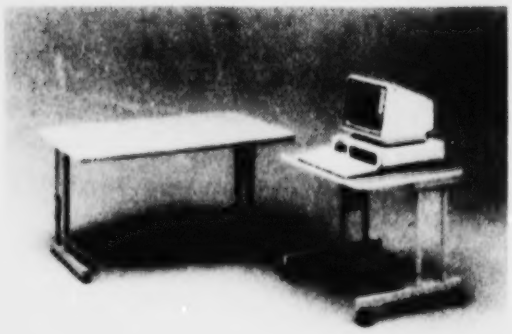
Vendor: Craner Cabinetry

Computer: Apple II Family, Atari Family, Commodore Family, IBM PC Family, IBM PS/2 Family

Cost: $1,095.00 - $1,195.00

CompuDesk HCP is an adjustable workstation designed specifically for computer users who have disabilities. The main work area can be adjusted with a hand crank in order to accommodate a variety of wheelchair heights. CompuDesk HCP is designed so that the user's arms will be naturally positioned for increased efficiency and comfort. CompuDesk HCP will accommodate a microcomputer, a monitor, a printer, external disk drives, printer paper, an expanded keyboard, and other necessary materials.

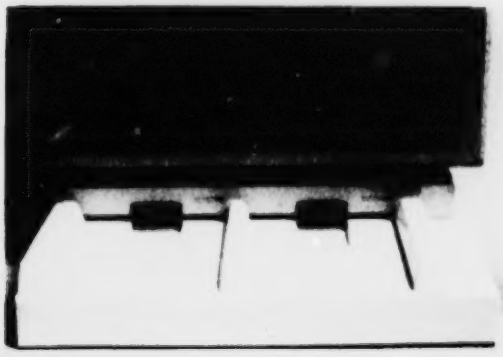
Two models are available. The HCP 4800 has a rollout, adjustable angle shelf which rests on the arms of the wheelchair and costs $1,095.00. The HCP 6000 has a "U" shaped cutout which adjusts in width and costs $1,195.00. Modified and custom designed tables are also available; contact manufacturer for details.



Product Name: Crank Adjustable Table
Vendor: ComputAbility Corporation
Computer: All (Hardware Independent)
Cost: $443.00 - $547.00

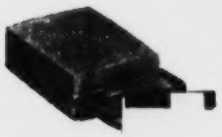
The Crank Adjustable Table is a work surface which can be adjusted from 25" to 32" in height. The adjustment is mechanical. The table can support 200 hundred pounds and has two locking front casters. The surface of the table is 1.2" thick and the edged are rounded.

The table also has a height adjustable top shelf. Several colors are available.



Product Name: Disk Guide
Vendor: TASH, Inc.
Computer: Apple II Family
Cost: $70.00

Disk Guide is a molded plastic base that rests in front of an Apple II computer disk drive. The guide provides a channel for a disk to be rested in while it is being slid into the drive. This guide will allow hand, foot, or mouthstick to be used to insert a disk.



Product Name: Disk Guides

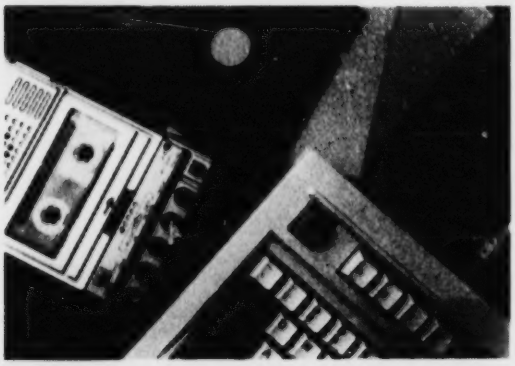
Vendor: Prentke Romich Company

Computer: All (Hardware Independent)

Cost: $50.00

Disk Guides are computer accessories that provide a stable surface and facilitate alignment of disk with the drive opening. The guides are mounted onto the computer or external drive.

Disk Guides are available for both 3.5" and 5.25" disk drives. When ordering, specify manufacturer and model of computer, disk size, and type of disk drive (external or internal) the guide is intended to be used with.



Product Name: DOS Tape

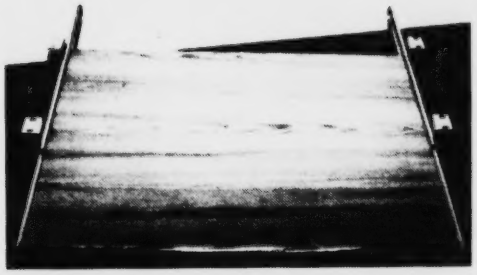
Vendor: Audio Computer Information, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $15.95

The DOS Tape is an audio tape tutorial that teaches users how to operate DOS for IBM PC and compatible computers. The second edition of the tape covers Version 6 of DOS, and is also suited to any version of DOS in use.

The DOS Tape comes with a printed reference card on DOS commands. The National Braille Press also sells the tape with a braille reference card.



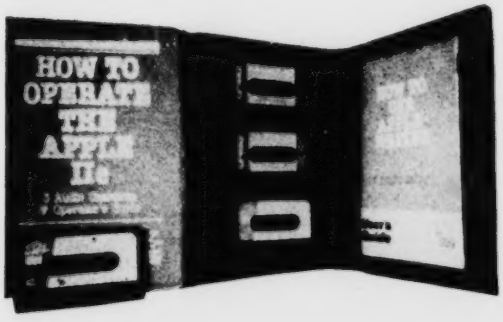
Product Name: Expanded Keyboard Pullout Drawer

Vendor: ComputAbility Corporation

Computer: All (Hardware Independent)

Cost: $99.95

The Expanded Keyboard Pullout Drawer is a woodgrain drawer which can be mounted on an existing work station. The drawer pulls out to 12" and measures 18" deep and 24" wide. A large membrane keyboard can be left in the drawer at all times and the drawer can simply be pulled out when needed.



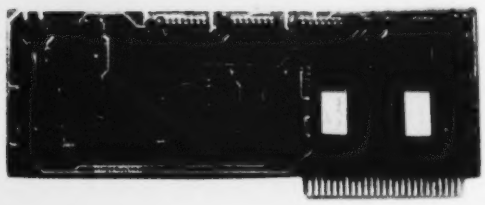
Product Name: FlipTrack OneOnOne Computer Training Courses

Vendor: FlipTrack OneOnOne Computer Training

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

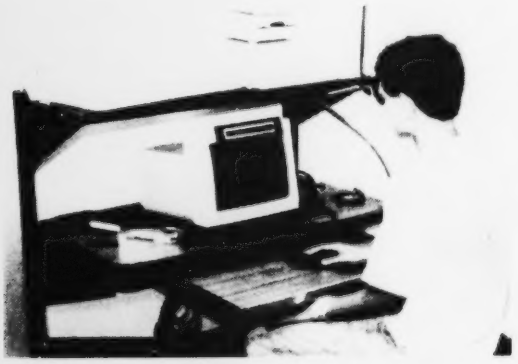
Cost: $75.00 - $195.00

The FlipTrack OneOnOne Training Courses are a series of audio "how to" courses for the computer user. These tutorials cover a wide variety of instruction in popular word processing and software packages, such as Lotus 1-2-3 and Microsoft Works and Windows. Although these tapes were not developed specifically for disabled persons, they are helpful for persons who have difficulties reading or handling printed materials. Most courses for DOS-based computers are tone-indexed.



Product Name: Governor
Vendor: TASH, Inc.
Computer: Apple II+, Apple IIe
Cost: $250.00

Governor is a speed control card to slow down computer games. Once the card is installed, the speed at which the various game functions run can be set by entering certain characters on the computer's keyboard. The Governor unit measures 8" x 3" x 0.5" and weighs 0.33 lbs.



Product Name: Height Adjustable Table
Vendor: ComputAbility Corporation
Computer: All (Hardware Independent)
Cost: $475.00

The Height Adjustable Table is a work surface with large shelves. The shelves can be used as desk surfaces and adjusted by attaching them at various heights to the metal frame of the table. The table has two front locking casters and the edges of the surface are rounded. The table meaures 20" x 36" x 42".

The table includes a pullout drawer for housing membrane keyboards, Powerpads, etc.

Product Name: IntelliKeys Overlay Maker

Vendor: IntelliTools, Inc. (formerly Unicorn Engineering)

Computer: Apple II Family, Apple Macintosh Family

Cost: $69.95

IntelliKeys Overlay Maker is a software program for creating customized overlays for the IntelliKeys keyboard. Overlays can be customized for the user, the activity and the chosen software. The Macintosh version allows the user to draw the overlay on the screen and define the areas of the keyboard. The program will then print out the overlay and send all the appropriate set-up information to the IntelliKeys keyboard. The Apple II version has 20 pre-defined overlay layouts. IntelliKeys Overlay Maker comes with a library of more than 200 common Picture Communication Symbols (from Mayer-Johnson Company), plus assorted computer symbols.

Product Name: Kennedy Switch Key Software

Vendor: Kennedy Day School/Franciscan Children's Hospital

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $100.00

The Kennedy Switch Key Software Program represents a user-friendly enhancement of the link between the Adaptive Firmware Card and the Unicorn Expanded Keyboard. The program provides flexible, alternative Apple IIe computer access by individuals for whom use of a scanning-switch system or standard keyboard is difficult, due to combined physical/motor, visual/perceptual and/or cognitive/memory difficulties. The program allows teachers and clinicians to design and store a virtually unlimited number of direct selection input devices in the form of customized keyboards or switchboards tailored to the specific needs and skills of the user and the input requirements of the commercial software intended for use.

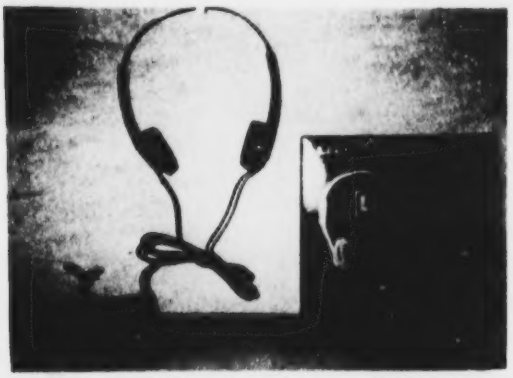
Product Name: Laptrays

Vendor: Various (Generic Product)

Computer:

Cost: Varies

One common method of mounting portable computers, keyboards, and communication systems for use by persons who use wheelchairs is to utilize laptrays already developed for other purposes. Laptrays can be very secure bases for mounting communication systems, but the following criteria should be considered when selecting a laptray for this purpose: construction of shatterproof material; a secure connection to the wheelchair; a proper cutout for fitting around the user's body; a width that spans the wheelchair but does not hang over far enough to obstruct passage through doorways; a length that provides ample work space but allows materials to be accessed visually and physically; a rim around the edges to prevent items from rolling off; the ability to swing away and fold down the tray for persons who transfer independently from the chair; light weight to facilitate the handling of the tray by the user or assistants; material durable enough to withstand the drilling of holes and a variety of weather conditions; and overall aesthetic attractiveness. Many styles of laptrays are available from rehabilitation product manufacturers, or may be custom fabricated by rehabilitation engineers.



Product Name: LittleJack

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $29.95

LittleJack is a computer headphone set for Apple II, II+ and IIe computers. The headphone allows one user to listen to computer output without disturbing others, and can be easily unplugged for normal computer sound.

The LittleJack is designed to work only with the built-in Apple speaker; it will not work with speech synthesizers which have their own speakers.

Product Name: Master Talker

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $45.00

Master Talker is a program that adds voice output to Sliwa Enterprises' line of educational software for the Apple II family. Master Talker is loaded before the other software product, and modifies it so that it can be used by someone who cannot see the screen. Text can be spoken by the letter or by the word, and speech can be sped up, slowed down, interrupted, and increased or decreased in volume by the user.

Master Talker is designed to be used specifically with a line of educational software made by Sliwa Enterprises, Inc. A utilities option is provided that can help add voice to certain other programs. A version of Master Talker called Spanish Talker helps teach vocabulary and pronunciation of Spanish words. An Echo speech synthesizer compatible with the computer used is required to run Master Talker.

Product Name: Media Handling Products

Vendor: Various (Generic Product)

Computer:

Cost: Varies

A variety of strategies are available to assist persons with mobility disabilities in performing basic tasks such as handling printed documentation, loading and removing floppy disks, and turning computer equipment on and off. These strategies include: loading software onto hard disk drives to reduce the need for handling floppy disks; using computers with disk ejection systems which pop the disk out of a computer so it can be more easily grasped; using screen saver software to protect the computer screen while leaving the computer turned on; and plugging computer equipment into a multi-outlet power strip so that the computer, monitor, printer, and other peripherals may be turned on and off by flipping the power strip's switch. These strategies primarily involve equipment developed for mainstream computer users.

Product Name: Modular Turntable Desks

Vendor: Extensions for Independence

Computer: All (Hardware Independent)

Cost: $1,150.00 - $1,745.00

Modular Turntable Desks are straight, L-shaped, or single or double U-shaped tables with large turntables built into them. The turntables can be easily rotated by a non-functonal hand or mouthstick to give the user access to any object on either table without excessive reaching.

Three models are available. The Single Turntable Desk, with one turntable, is $1,150.00. The Twin Turntable Medium Desk is $1,495.00. The Twin Turntable Executive Desk is $1,745.00. Extensions are available for all desks for $295.00. Motor attachments are also available; contact manufacturer for details.

Product Name: Mouse XY Helper

Vendor: Extensions for Independence

Computer: All (Hardware Independent)

Cost: $435.00

The Mouse XY Helper is a device designed to allow mouthstick users to operate the mouse cursor control device used with several types of computers. The unit consists of a tilted board with a smooth surface, an XY set of bearings and tracks, a holder for the mouse, and a spring-loaded counterweight.

Product Name: Mousing Around

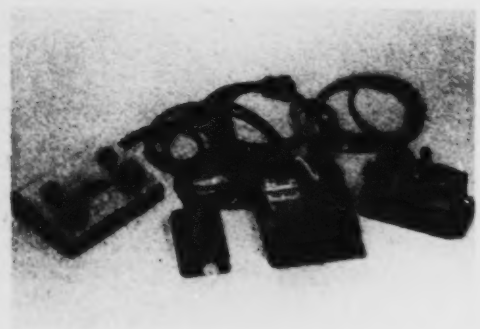
Vendor: IntelliTools, Inc. (formerly Unicorn Engineering)

Computer: Apple IIGS, Apple IIe

Cost: $49.95

Mousing Around is a menu-driven software program that allows the Unicorn Expanded Keyboard (see entry) to be used as an alternative input device for a variety of mainstream programs. Five overlays and Adaptive Firmware Card (AFC) setups are included for use with a variety of educational, graphics, and game software. The package is designed to provide mouse emulation and macro capability. Once the setups are loaded onto the computer, the user selects the desired setup from a menu and places the corresponding color overlay on the Unicorn keyboard.

Mousing Around requires an Apple IIe or IIGS computer, a Unicorn Expanded Keyboard Model I or II, and the AFC Model G32 or G32e. A printer and Echo speech synthesizer are optional. The setup programs are included on both 3.5" and 5.25" disks.



Product Name: Multiport

Vendor: Psychological Software Services, Inc.

Computer: IBM PC Family

Cost: $65.00

Multiport is a game peripheral port adapter that allows the user to select between different game control devices with a single switch, without unplugging different devices. Three devices can be switch selected on the Apple computers and two devices on the IBM.

Product Name: Night-Off

Vendor: Western Telematic, Inc.

Computer: IBM PC Family

Cost: $159.00

Night-Off is a programmable power switch for a personal computer. The computer is plugged directly into the switch device which uses standard current. Time-Select software allows the user to activate the switch by selecting automatic turn on/off times on-screen. The time schedule screen shows Sunday through Saturday and the user can make the switch inactive for any particular day without affecting other automatic activation commands. The switch can also control on/off functions for printers, copiers, and fax machines.

Night-Off has a built-in surge protector and is compatible with IBM computer systems.

Product Name: Overlay Express

Vendor: IntelliTools, Inc. (formerly Unicorn Engineering)

Computer: Apple II Family

Cost: $140.00

Overlay Express is a software program which allows the user to create custom overlays for the Unicorn Keyboard. The program provides more than 300 pictures from which to choose. The shape of the overlay can also be chosen. Once an overlay is created on-screen, it can be saved on disk and edited at any time.

Created overlays can be printed in color or black-and-white depending on printer capability.

No Photograph Available

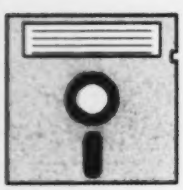
Product Name: Overlays for the Expanded Membrane Keyboard

Vendor: ComputAbility Corporation

Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PS/2 Family

Cost: $74.95 - $84.95

Overlays for the Expanded Membrane Keyboard are printed overlays and setup programs designed to facilitate the use of the Expanded Membrane Keyboard (see entry) with either the AID+ME and Adaptive Firmware Card (see entries). The overlays provide the necessary letters, symbols or pictures in the right locations on the keyboard. The setup disks allow the keyboard to be set up for a particular software program without being individually programmed by the user. Programs for which overlays and setups are available include: Little Computer People (Apple), Charlie Brown's ABC's (Apple), Charlie Brown's 123's (Apple), Sticky Bear Numbers (IBM), Alphabet Zoo (IBM), Playroom (Apple and IBM) and Early Games for Young Children (Apple and IBM).



Product Name: Peripheral Tester

Vendor: Don Johnston Developmental Equipment

Computer: Apple II Family

Cost: $39.95

Peripheral Tester is a software program that permits troubleshooting of adaptive computer hardware. The program can be used to test joysticks, KoalaPad, Muppet Learning Keys, PowerPad, Switch Interface, or TouchWindow (see entries). A visual display of the adaptive device appears on the monitor for the user's reference.

Product Name: Prairie Power Portable IIc System

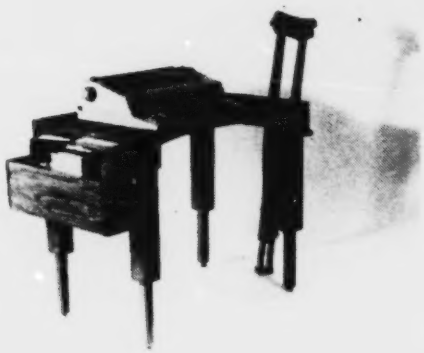
Vendor: Lind Electronic Design

Computer: Apple IIc

Cost: $119.00

Prairie Power Portable IIc System is a package that allows an Apple IIc to be carried like a brief case and used independent of external power (i.e., wall oulets). The package consists of a case, a 12V rechargeable battery pack, a battery charger, and connecting cables. The system will operate for up to 8 hours on a charge. Audible signals are provided which warn the user when power is running low. Voltage protection circuitry is provided to prevent overcharging and to protect the memory.

The Prairie Power Portable IIc System does not come with the IIc computer.



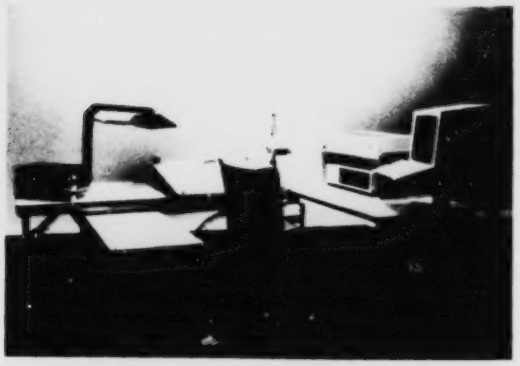
Product Name: RFI Multi-Use Desk/Table

Vendor: Resources for Industry

Computer:

Cost: $403.00

The Multi-Use Desk/Table is an adjustable height work surface made out of solid oak with a scratch resistant lamination. One side of the desk is cut-out in a curve to allow the user to reach the entire surface. The legs of the desk can be raised and lowered in one inch increments ranging from twenty-one to thirty-four inches; they are held in place with latching screws.



Product Name: Rx WorkStations

Vendor: Consumer Care Products, Inc.

Computer:

Cost: Contact manufacturer

Rx WorkStations are modular work surface units which can be arranged for the user. The basic components of the WorkStations are the Slant Board/Easel which can be adjusted to any angle and used on any table, the height adjustable Worktables, and Pull-Out Side Tables which attach to any table.

The adjustable height and angle surfaces are controlled using mechanical or pneumatic options. The worksurfaces accept optional fixtures such as articulating arms, drawers, and stands which bring materials and supplies to the user. Contact the manufacturer for details on special configurations.

Product Name: Scanning Conversion Program

Vendor: First Broward Computer, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $94.00

Scanning Conversion Program is used with modified Applesoft programs that accept input from the standard keyboard so that they may be operated by a single switch. A disk with seven Applesoft games already modified for use with scanning is included with purchase. A scanning array with user adjustable rate is incorporated into the modified programs. Manufacturer can modify additional Applesoft game programs for a separate fee (contact manufacturer for details).

Product Name: Start Talking

Vendor: IntelliTools, Inc. (formerly Unicorn Engineering)

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $29.95

Start Talking is a kit that consists of 23 setups and 43 overlays for the Unicorn Expanded Keyboard (see entry). The kit was developed by a Unicorn users group to provide overlays for story composition, game playing, writing, and other activities. The kit includes 8.5" x 11" black and white sheets that may be taped together to form overlays, setup disks for each overlay that are compatible with all Adaptive Firmware Card models, and instruction, overlay, and resource guides.

No Photograph Available

Product Name: Tables for Computer Workstations

Vendor: Various (Generic Product)

Computer:

Cost: Varies

Research in human factors engineering and ergonomics has demonstrated the need to set up computer workstations that accommodate individuals. This includes, for example, the ability to place monitors and keyboards at an appropriate height and distance, and the provision of positioning support for the user's wrists. Furniture and accessories that facilitate this accommodation are widely available and are advertised in most mainstream computer magazines. Products labelled as "ergonomic" tend to be a bit more expensive than those which were not specifically designed with human factors in mind. However, appropriately designed and individualized workstations may be required to accommodate persons with disabilities. Some manufacturers who provide products specifically for persons with disabilities also design and sell computer workstation tables.

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Product Name: Talk-to-Me Tutorial Cassettes

Vendor: Raised Dot Computing

Computer: IBM PC Family

Cost: $75.00

Talk-to-Me Tutorial Cassettes are a series of instructional audio cassettes to help beginning and intermediate computer users learn to use popular software programs. The taped courses were designed by a blind computer programmer for visually impaired users, but are suitable for anyone interested in learning the programs. The series currently includes tutorials on MS-DOS 5.0, Word Perfect, dBASE, and Lotus 1,2,3.

Product Name: Talking Utilities for ProDOS

Vendor: American Printing House for the Blind (APH)

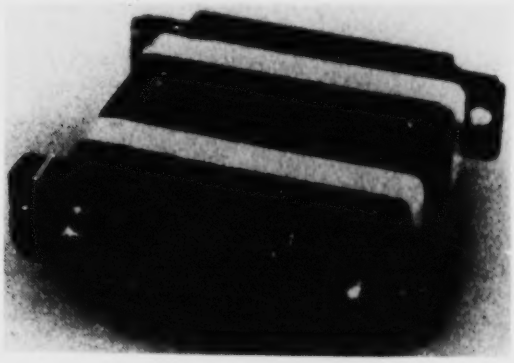
Computer: Apple II Family

Manual Form: Audiotape Manual

Cost: $23.01

Talking Utilities for ProDOS is a speech-accessible version of Apple Computer, Inc.'s "ProDOS User's Disk," a guide to the ProDOS operating system. The text on this utilities disk can be read entirely via speech synthesizer. The disk contains adapted versions of two programs, "Filer" and "Convert." The disk also contains other programs for users who are getting started with ProDOS. A utility is provided that allows the user to read ASCII text files with synthesized speech.

An appropriate Echo speech synthesizer is required.



Product Name: Tweedle-Dump

Vendor: Monarch, John

Computer: All (Hardware Independent)

Cost: $16.00

Tweedle-Dump is a device that provides blind computer users with an audible indication of serial transmission to the computer from a modem, and from the computer to printers and other peripherals. Small beeping noises are made whenever there is communication over the serial port; the noises change frequency depending on the baud rate of the transmission.

Product Name: Up and Running

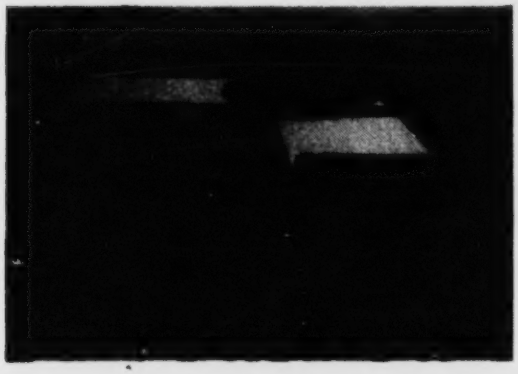
Vendor: IntelliTools, Inc. (formerly Unicorn Engineering)

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $39.95

Up and Running is a menu-driven software program that allows the Unicorn Expanded Keyboard (see entry) to be used as an alternative input device for a variety of mainstream programs. Four overlays and Adaptive Firmware Card (AFC) setups are included for use with a variety of educational, graphics, and game software. Once the setups are loaded onto the computer, the user selects the desired setup from a menu and places the corresponding color overlay on the Unicorn keyboard.

Up and Running requires an Apple II+, IIe or IIGS computer, a Unicorn Expanded Keyboard Model I or II, and the AFC Model G12, G32 or G32e. A printer and Echo speech synthesizer are optional. The setup programs are included on a 5.25" disk.



Product Name: Vari-Hi Modular Compu-Desk

Vendor: Extensions for Independence

Computer: All (Hardware Independent)

Cost: Contact manufacturer

Vari-Hi Modular Compu-Desk is a computer desk designed to accomodate wheelchair users. Several sizes of computer station desks, work area desks ("returns"), turntables, shelves, and drawers are available; these can be combined to form L- or U-shaped workstations. The height can be adjusted from 24" to 34" (low range), 26" to 38" (standard range), or 26" to 42" (high range). The working surface is 1.88" thick.

The price is dependent on the configuration chosen. Contact manufacturer for further details. [STATUS X: UNAVAILABLE UNTIL FURTHER NOTICE 11/30/92 SEF]

Product Name: Variable Height Desk

Vendor: PosturMate, Inc.

Computer: All (Hardware Independent)

Cost: $900.00 - $2,700.00

The Variable Height Desk is a work surface designed to fit the posture of the person using it. The height of the desk is controlled by activating a switch for a built-in electric motor. The motor will raise the desk surface anywhere within the range of twenty six to fourty seven inches.

The desk can be ordered in a variety of wood color finishes. A hand crank desk model is also available. Contact the manufacturer about available computer compatible models with power slant boards, varying desk sizes, and custom specialized desks.

Product Name: Western Center Echo Synthesizer Package

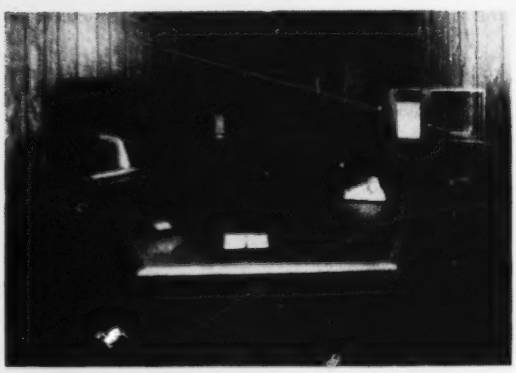
Vendor: Western Center for Microcomputers in Special Education

Computer: Apple IIGS, Apple IIe, IBM PC Family

Cost: $269.00

The system from Western Center consists of the Echo II speech synthesizer (see separate entry) with an external speaker unit that incorporates three high-quality speakers and provides knobs for both volume and pitch control. The speaker unit contains headphones and a headphone jack.

The Echo is available for the Apple IIe or Apple IIGS, or IBM-PC. The Apple model has both volume and pitch controls; the IBM-PC model comes with only external volume control.



Product Name: Work Stations

Vendor: WorkStations, Inc.

Computer: All (Hardware Independent)

Cost: Contact manufacturer

Work Stations are ergonomic furniture items which are customized for each person. The basic units of available equipment include variable height and tilt tables, rolling files, and adjustable height chairs. These items are designed to fit both home and office facilities. The basic items are tailored to meet needs in each particular environment. Contact the manufacturer for assessment and price information.

Chapter 18

Administration and Management Software

This chapter includes software application programs that deal with the administration or management functions of rehabilitation or special education professionals. To be included, programs must be specifically designed for rehabilitation or special education professionals. These include IEP programs; computerized versions of diagnostic tests related to developmentally disabilities; and reporting, charting, tracking, organizing and job-matching software. If a program is primarily designed as an assessment tool, it is listed in Chapter 19, Assessment Software. Since the question of whether a program is primarily for administration or primarily for assessment can be somewhat fuzzy, it may pay to check both chapters (this one and 19) for particular programs.

There are, of course, many programs suitable for general management activities in any profession--spreadsheet software, project management, financial and flowchart software--which can also be used by rehabilitation professionals. However, only software specifically designed for use in rehabilitation and special education is included here.

Index 1 cross-lists products by function. Some of the function codes related to software in this chapter are: Analysis and Reporting (AR), Individual Education Planning (IE), Vocational (VO), Language Therapy (LT) and Speech Therapy (ST). Appendix B includes an information summary of other Software Resources.

The following product entries appear in this chapter:

40,000 Selected Words, *489*
AAC Vocabulary Manager (J15), *489*
Ability-Achievement Discrepancy, *490*
ABS-SE:2 Software Scoring System, *490*
Analytic Learning Disability Assessment (ALDA-EZ), *491*
Arlin Test of Formal Reasoning Computer Report, *491*
Automated IEP System and Professional Goal Banks, *492*
Bender Report, *492*
Boardmaker, *493*
Bobcat, *493*
CLASS, *494*
Cognitive Participation Rating Scale (CPRS), *494*
Communication Board Builder, *495*
Compuscore, *495*
Computer Analysis of Phonological Deiations (CAPD), *496*
Computerized Adult Aural Rehabilitation, *496*
Computerized Inventory of Basic Skills (CIBS), *497*
Data Digger, *497*
Detroit Tests of Learning Aptitude Revised, *498*
Diagnostic Articulation Analyzer, *498*
Diagnostic Report Writer, *499*
Discrepancy Determinator DDI-R, *499*
DPS:HELP, *500*
Dynamic Acoustics, *500*
Easy Report Writer, *501*
Explorer, *501*
EZ Pilot for PowerPad, *502*
EZ-D.O.T., *502*
G&O Basic, *503*
Gateway Authoring System, *503*
GhostWRITER, *504*
Goal Digger, *504*
Goal Rush, *505*
HESI Software Report System, *505*
Human Service Information Systems/Fund Accounting, *506*
I.E.P. Entry, *506*
iepSYSTEM, *507*
Individual Educational Program, *507*
Language Intervention Planner, *508*
Learning Skills Profile, *508*
Lesson Editor, *509*
Marathon, *509*
Model BEP I, II, III, IV, V, VII, *510*
Parrot Easy Language Sample Analysis (PELSA), *510*
PennStar System, *511*
PEPPER, *511*
Phonological Process Tutor, *512*
PICApad II: Report Generator for the PICA, *512*
Pro-Score Systems, *513*
Pure Tone Simulation, *513*
R/COM, *514*
Referential Semantic Analysis, *514*
Rehabilitation Data System, *515*
Rehabilitation Manager, *515*
SALT (Systematic Analysis of Language Transcripts), *516*
Sheri, *516*
Slosson Intelligence Test - Revised Computer Report, *517*
Spectrum 1, *517*
Stanford-Binet Computer Report (SB-CR), *518*
TALLEY Goals and Objectives Writer, *518*
Teacher's Pet, *519*
Test of Early Reading Ability-2 (TERA-2) Scoring System, *519*
The Logical Choice (TLC), *520*
TOAL-2 Software Scoring System, *520*
Understanding Decibels, *521*
UNISTAR II+, *521*
Valpar System 2000, *522*
Vertex System, *522*
VOC Report, *523*
WAIS-Riter "BASIC", *523*
WAIS-Riter "Complete", *524*
Waveform Display System Model 6091, *524*
Wechsler Adult Intelligence Scale-Revised (WAIS-R), *525*
WISC-R Compilation: What To Do Now..., *525*
WISC-Riter "BASIC", *526*
WISC-Riter Complete, *526*

The following products from other chapters can also be used for Administration or Management:

Access to Math, *550*
English on the Job, *594*
KEY Method Worker Rehabilitation System, *536*
Math on the Job, *632*
Multisensory Curriculum, *641*
OT FACT, *537*
Reasoning Skills on the Job, *662*
Serial Recall: Assessment, *540*
SpeechViewer II, *678*

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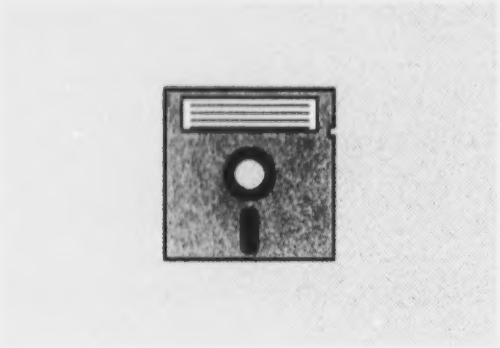


Product Name: 40,000 Selected Words
Vendor: Communication Skill Builders
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $69.95

40,000 Selected Words is a three-disk set of word lists for use in a clinical setting. Word lists can be generated based on appearance of specified consonant sounds in initial, medial, or final positions, or in clusters or blends. Words can also be selected based on number of syllables (1 to 6). Lists can be printed.

Product Name: AAC Vocabulary Manager (J15)
Vendor: Don Johnston Developmental Equipment
Computer: Apple Macintosh Family
Manual Form:
Cost: $85.00

AAC Vocabulary Manager is a software program designed to facilitate the planning, monitoring, and management of vocabulary for communication device users. Using the program, a clinician or teacher can utilize common resource lists, build a vocabulary, personalize a vocabulary, or analyze a vocabulary for a person using an alternative or augmentative communication system. The program can also be used to track individual or group progress for evaluation reports or IEPs.

AAC Vocabulary Manager requires a Macintosh computer with System 6.0 or higher, 1 MB RAM, HyperCard 2.1 or higher, and a disk drive.

Product Name: Ability-Achievement Discrepancy
Vendor: Southern Micro Systems
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $149.00

Ability-Achievement Discrepancy is an assessment program for description of academic achievement. The program provides a student profile comparison of Ability Test Results and Standardized Achievement Test Results, with reports of correlation, discrepancy scores, and a lower bound score.

The program includes one program disk and one backup, one data disk (which can be copied), and user manual.

Product Name: ABS-SE:2 Software Scoring System
Vendor: Pro-Ed
Computer: Apple II+, Apple IIe, Apple Macintosh Family, IBM PC Family
Manual Form:
Cost: $79.00 - $89.00

The Adaptive Behavior Scale--School Edition (ABS-SE:2) Software Scoring System is a computer program that permits the analysis of ABS-SE:2 norm-referenced scores. The responses for each ABS-SE item are keyed into the computer; profiles may be then obtained. Derived scores relate the client to three reference groups: regular, educable mentally retarded, and trainable mentally retarded. Each domain, factor, and comparison score can be extracted.

The program calculates scores and produces profiles, but does not store data on clients. The IBM and Apple versions are $79.00 each; the Macintosh version is $89.00.

Product Name: Analytic Learning Disability Assessment (ALDA-EZ)

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $195.00

Analytic Learning Disability Assessment (ALDA-EZ) is a program that interprets results and prints reports for the ALDA test. The user enters ALDA results, and the program generates various scores such as CAG-T, NEO-T, Fail T, unit skill ages, skills cluster, and so on. Indications of neurological efficiency, learning impairment, and learning channel functioning are all recorded by the program. The program makes individual recommendations about methods for learning reading, spelling, math and handwriting skills. The user has the choice of generating a seven page summary report (no recommendations included) or a twenty-four page complete report.

ALDA-EZ runs on the Apple II family of computers, using the Pro-DOS operating system, and the IBM PC family of computers.

Product Name: Arlin Test of Formal Reasoning Computer Report

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II Family, IBM PC Family, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $150.00

Arlin Test of Formal Reasoning Computer Report (ATFR-CR) is a program for scoring and interpreting the ATFR. The user may input data on up to 10 clients at a time (20 on the IBM-PC), and generate individual printouts for each. Reports include: Total Scores, Category Scheme scores, and National Grade Norms (including Standard Deviation, Hoyt Reliability, and Standard Error of Measurement). Individual reports categorize the subject's level of functioning, from concrete to formal. Areas of strength in reasoning skills are outlined, and a paragraph describing each of these schemata is included. Lastly, the report allows for a narrative of teacher recommendations. A "Stat-Pak" provides for a number of group statistical analyses, including mean and standard deviation group scores. These scores can be provided for an entire class, because each group of scores entered is added to those already entered. The user can enter either raw scores from a score sheet, or the eight schemata scores from a previously scored score sheet.

Product Name: Automated IEP System and Professional Goal Banks

Vendor: Western Psychological Services

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $325.00

The WPS Automated IEP manages files, merges data with student IEPs, and provides unlimited capacity to create and use goal banks and IEPs. The program has a master disk with which teachers create a master IEP form. This form can then be used as a template so that standard information does not have to be entered for every student. Student disks store student IEPs (five students per disk). The Professional Goal Banks component allows the teacher to create goals or use those provided. Goal Bank disks are available for many areas including: Communication Disorders, Physical Therapy, Daily Living Skills, Learning to Learn, Physical-Sensory-Motor-Perceptual, Speech-Language-Reading, Mathematics-Spelling-Handwriting, and HyperNasality.

The Automated IEP System costs $325.00 and includes: manual, system master disk, rules and regulations disk, format editor disk, sample Goal Bank disk, one Goal Bank disk, and two student IEP disks. The Apple II version requires 128K memory, the IBM version needs 512K of memory.

Product Name: Bender Report

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II+, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $150.00 - $200.00

Bender Report is a program designed to help score and interpret the Bender Gestalt Test. The program provides for scoring and interpretation of both child and adult protocols. The logic suggested by Koppitz is used for children and the logic suggested by Hutt is used for adults. The program provides factor definitions and scoring criteria for each factor. All calculations and scoring are done by the program. The program generates a one to two page narrative report. For adults, the report contains interpretive statements based on the 26 specific factors and the Psychopathology Scale developed by Hutt. The child report addresses developmental level and emotional factors as conceptualized by Koppitz.

Bender Report is $150.00 for the Apple version (only available on 5.25" disk) or the IBM 5.25" version; the 3.5" version for the IBM is $200.00.

Product Name: Boardmaker
Vendor: Mayer-Johnson Company
Computer: Apple Macintosh Family
Manual Form:
Cost: $299.00

Boardmaker is a computer program that contains over 1,600 symbols from the Picture Communication Symbols (PCS) Books I and II (see entry). The symbols may be reduced or enlarged to any size. The program enables the user to create custom communication boards or overlays for most sizes of grids or matrices. Boardmaker may also be used with a desktop publishing program to make educational materials using the symbols; contact manufacturer for compatibility information. Hard copies of the displays may be printed and the displays may be saved to disk.

Product Name: Bobcat
Vendor: Hoefer, J.J.
Computer: Commodore 128, Commodore 64
Manual Form: Electronic Manual, Printed Manual
Cost: $10.00

Bobcat is a tutorial program for sighted Braille transcribers. Bobcat covers the first ten lessons of the official Braille Training Manual. The program randomly selects examples, offers a prompting option, and carries a second-try feature. Bobcat uses the keys X, C, Z, J, K, and L on the standard keyboard to correspond to the six cells of Braille.

Product Name: CLASS

Vendor: Technical Perspectives, Inc.

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form:

Cost: $400.00 - $2,600.00

CLASS (Comprehensive Learner Adapted Scope and Sequence) is a computer program that allows special education professionals to administer tests, produce reports, and develop an Individual Education Plan (IEP). The program may be used as is, or customized to meet program changes or specifications. CLASS covers students at all grade levels (profound to mainstream) and at ages from birth through graduation or age 22.

The core software ($2,600.00) consists of thirteen disks that cover elementary (reading, math, written language, functional living, non-academic) and secondary (reading, English, math, science, civics/history, vocational, non-academic) curriculum subjects. Ancillary programs are available for speech therapy ($400.00), severe mental impairment (two disks; $800.00), PT/OT ($400.00), K-6 science/social studies ($400.00), transitional programs, and behavioral problems (contact manufacturer). Texts, a video training tape, and a teacher training manual are also available (extra). Districts may make backup copies of the disks.

Product Name: Cognitive Participation Rating Scale (CPRS)

Vendor: Life Science Associates

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $75.00

The Cognitive Participation Rating Scale (CPRS) is a computer program that tests cognitive status as applicable to individuals undergoing brain injury rehabilitation. Behavioral domains sampled are: Awareness of Therapy, Planning, Recent Memory, Orientation, Quality of Participation, and Social/Metacognition. The program displays items, individual scale points, and normal ranges. For each item and scale, the clinician can obtain detailed definitions, illustrations, and suggestions for unusual situations. Full and subscale scores are compiled, results are displayed and may be printed, and scores can be accumulated on disk.

An optional program, Analysis of Cognitive Participation Rating Scale, is also available for $75.00.

Product Name: Communication Board Builder

Vendor: Mayer-Johnson Company

Computer: Apple Macintosh Plus, Apple Macintosh SE/II

Manual Form:

Cost: $169.00

Communication Board-Builder is a HyperCard stack that enables the user to create customized communication boards. The program includes over 1,600 symbols from the Picture Communication Symbols (PCS) Books I and II (see entry). Symbols are printed in 1.25" size. The page size is 6.25" x 3.75" and contains up to 15 symbols. Hard copies of the pages may be printed in any two languages by hitting a translate button. Boards may be saved to disk.

Product Name: Compuscore

Vendor: Riverside Publishing Company

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $114.00 - $195.00

Compuscore is a series of psycho-educational assessment programs for computerized scoring of the following standardized tests in the following configurations: Woodcock-Johnson Psycho-Educational Battery (WJ) ($159.00) for the Apple II (two disk drives required) and the IBM-PC, requiring an 80-column printer; Scales of Independent Behavior (SIB) ($159.00) for the Apple II (48K; two disk drives required), and the IBM-PC and compatibles, requiring an 80-column printer; Inventory for Client and Agency Planning (ICAP) ($159.00) for the IBM-PC; WJ/SIB Subtest Norms ($159.00) for the Apple II (64K), and IBM-PC; Woodcock-Johnson Psycho-Educational Battery--Revised (WJ-R) ($195.00) for Apple II (128K) and IBM-PC; and Test for Auditory Comprehension of Language (TACL-R) ($114.00) for the Apple II+, IIe, or IIc (128K) and IBM-PC.

For use on the IBM-PC, all these programs require 256K, except for WJ-R which requires 384K. The version for 5.25" disk drives requires DOS 2.1 (except for the WJ/SIB Subtest Norms, which requires DOS 2.0 or higher); a version for 3.5" disk drives requires DOS 3.3.

Product Name: Computer Analysis of Phonological Deiations (CAPD)

Vendor: PhonoComp Software

Computer: IBM PC Family

Manual Form:

Cost: $85.00

Computer Anaysis of Phonological Deviations is a software version of the 1986 Assessment of Phonological Processes Revised (APPR) by Barbara W. Hodson. The instrument is designed to identify patterns of speech deviations. The clinician enters symbols representing the client's production of 50 target words (approximately 10 minutes). The program "scores" the deviation in about 10 seconds. A one-page printout is produced which lists: (1) percentage-of-occurrence scores for basic phonological deviations; (2) client's severity rating (mild, moderate, severe, profound); and (3) goal statement specifying phonological patterns to be targeted.

Product Name: Computerized Adult Aural Rehabilitation

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc

Manual Form:

Cost: $99.50

Computerized Adult Aural Rehabilitation is a menu-driven computer program for analyzing information and recommending services for older adult clients with hearing impairments. The clinician inputs client pure tone audiometric thresholds, speech discrimination scores, and responses to the Hearing Handicap Inventory for the Elderly. The program produces an outline of goals and objectives for one to sixteen rehabilitation sessions, depending on the severity of the disability. Client data can be stored and edited. Goals and objectives can be modified by using the Applewriter 2 word processing program (extra). Client data and rehabilitation outlines can be printed.

Product Name: Computerized Inventory of Basic Skills (CIBS)

Vendor: Academic Counseling & Evaluation

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $89.95

Computerized Inventory of Basic Skills (CIBS) is a program that administers, scores, and analyzes tests of basic skills, and assists the instructor in creating an IEP for the student on the basis of the results. The instructor selects the subject, and the student takes the test on the computer. The program anyalzes responses as they come in, and tailors the test to the individual student. After testing, the instructor can print a diagnostic report or save it on the disk (up to 100 students' files per disk; additional data disks, which will store up to 450 test files, may be purchased separately). The report indicates the skills the student has demonstrated, and the grade level at which these skills should be mastered. CIBS will also prepare a bar graph. CIBS helps create IEPs by analyzing the student's identified needs in terms of its developmental continuum of skills and providing sequentially linked objectives that the instructor can select from or add to in developing the IEP. CIBS then formats and prints the IEP.

CIBS was field tested in the Cupertino Union School District in Cupertino, California.

Product Name: Data Digger

Vendor: IEP

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $99.00

Data Digger (formerly Special Education Reporting System) is a program for recording and tracking pertinent information on students in a special education program. The user can store such information as ID number, name, sex, date of birth, address, classification, school, grade, and ethnic group. Complete student lists can be printed, or records can be selected by individual or multiple characteristics. The user can record important activities or critical events, and generate a chronological record for each student. Up to 500 students' records can be stored on each disk. District-wide counts can be generated for any size population. Custom-formatted printed reports can be generated.

An Apple II computer with 128 KB of memory and two 5.25" drives is required to run this program. Data Digger is sold on a single-site license basis.

Product Name: Detroit Tests of Learning Aptitude Revised

Vendor: Slosson Educational Publications, Inc.

Computer: Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $69.00

Detroit Tests of Learning Aptitude Revised are programs for statistically analyzing scores from the DTLA-2 and DTLA-P (Primary) tests. The programs convert the student's raw scores into standard scores and percentile ranks. The programs also generate composite scores and compare composite performance within domains for significant differences. The user can also analyze discrepancies between DTLA scores and achievement test scores. The DTLA-P program offers the option of either entering totalled scores or entering performance scores for each DTLA item, and having the program generate the totals. Both programs generate a two-page report for each student.

DTLA-P is only available for Apple computers.

Product Name: Diagnostic Articulation Analyzer

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $99.50

Diagnostic Articulation Analyzer is a program used to produce a summary report of performance for most means of sampling articulation. After test results are entered, reports of pre- and post-test articulatory ability are produced. Sound errors are listed in order of developmental age and word position, and are categorized according to articulatory features.

Two 5-1/4 inch disk drives, or one 3-1/2 inch disk drive on the Apple IIGS, are required to run Diagnostic Articulation Analyzer.

Product Name: Diagnostic Report Writer

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $159.50

Diagnostic Report Writer is used to produce reports on children with communication disorders. The program solicits answers to multiple choice and fill-in-the-blank questions. These answers are used to produce three-page detailed diagnostic reports.

A printer is required to use Diagnostic Report Writer.

Product Name: Discrepancy Determinator DDI-R

Vendor: TRAIN, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $75.00

The Discrepancy Determinator-Revised (DDI-R) is a software program that permits diagnosis of learning disabilities by evaluating the severe discrepancy component of several aptitude and achievement measures. These measures include, but are not limited to, the WISC-R, WAIS-R, K-ABC, K-TEA, PIAT, WRAT-R, DAB, TONI, and PPVT-R. Correlations from other tests or estimations of unknown correlations may also be entered. The software allows test data for current or future comparisons to be entered. The program permits multiple comparisons to be calculated and allows adjustment of cutoff scores to meet local criteria. DDI-R also accounts for regression, unreliability, and frequency of occurence of different scores. Results of discrepancy analyses can be sent to a text file for retrieval by other programs, such as word processors, if desired.

Contact manufacturer for information on price discounts for DD-1 users and for persons sending prepayment. Specify type of computer and disk size (5.25" or 3.5") when ordering.

Product Name: DPS:HELP
Vendor: VORT Corporation
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $370.00

DPS:HELP is a software version of HELP (the Hawaii Early Learning Profile). HELP covers over 650 skills in six developmental areas: cognitive, fine motor, language, gross motor, social, and self-help. This computerized version provides a database program including the skills and activities from HELP. Planned and recorded progress can be charted for each child.

Contact the manufacturer for more details about the use of HELP.

Product Name: Dynamic Acoustics
Vendor: Parrot Software
Computer: IBM PC Family
Manual Form:
Cost: $149.50

Dynamic Acoustics is a software program that explains the fundamental concepts of sound and sound transmission through animated graphic displays. The text and program are divided into four chapters. Chapter One covers elements of molecular movement, simple harmonic motion, and the derivation of the sine wave. Chapter Two explores the nature of the waveform through a set of experiments that generate graphs of two waves. Chapter Three compares and contrasts different representations of sound by allowing the selection of three frequencies and amplitudes which are simultaneously displayed as waveform, spectrum, and spectrogram. Chapter Four illustrates the effects of standing waves both as particle movement and waveform motion in three kinds of tubes for each of the first three resonance frequencies.

The first copy of Dynamic Acoustics is $99.50; additional copies are $19.50. A demo disk is available free on request. CGA, EGA, MCGA, or VGA video capability is required.

Product Name: Easy Report Writer

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $149.50

Easy Report Writer is a software program that permits generation of Individualized Education Plans (IEPs), evaluation reports, lesson plans, and other types of reports. The user enters outlines of the desired type of report and saves the outlines on a Report Disk. Individualized reports are then generated by pressing a key to bring up a blank copy of the outline and filling in the report for each client. Statements or paragraphs may be recalled from a database.

Specify type of computer and disk size (5.25" or 3.5") when ordering. A Speech-Language Database ($99.50) for use with Easy Report Writer is also available; the database contains 1,100 entries on evaluation areas such as auditory skills, syntax, pragmatics, articulation, fluency, and voice. The Apple version requires 2 5.25" drives.

Product Name: Explorer

Vendor: Academic Therapy Publications

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $50.00

Explorer is a computer program that aids in the interpretation of the WISC-R. The program generates statements about a child's level of general intellectual function, as well as specific strengths and weaknesses, to be used in creating individualized reports. The program also produces a printout which includes a description and performance summary of test results that can be used in generating individualized reports.

The Explorer requires two disk drives, 48K of memory, and an 80 column printer.

Product Name: EZ Pilot for PowerPad
Vendor: Dunamis, Inc.
Computer: Apple II+, Apple IIGS, Apple IIe
Manual Form: Printed Manual
Cost: $29.95

EZ Pilot for PowerPad is an authoring system designed for teachers, parents and students who are not experienced computer programmers, employing only eight main commands. Lessons and language experience stories that include colorful graphics can be created. Applications programs using an Echo + or Echo II speech synthesizer are also possible. Several demonstration lessons on the sample disk help teach the commands. Graphics are created with the MicroIllustrator program and the PowerPad (also from Dunamis; see entries).

A PowerPad and an Echo II speech synthesizer are required to run the system. A general version of the EZ Pilot is available from Hartley Courseware.

Product Name: EZ-D.O.T.
Vendor: Development Systems, Inc.
Computer: IBM PC Family
Manual Form:
Cost: $295.00

EZ-D.O.T. is a software program designed to be an occupational information resource. The program provides an electronic version of the 1991 Dictionary of Occupational Titles published by the U.S. Department of Labor, so job requirements and descriptions can be accessed for 12,741 occupations. Each job overview contains a narrative text description and coded information about educational, physical, mental, and environmental requirements; an occupation outline may be viewed in short form, showing only coding, or long form, with text description. A Job Analysis Report may be generated and printed for any job which highlights the essential functions of the occupation.

The program requires an IBM computer or compatible, DOS 3.1, and 11 MB hard disk.

Product Name: G&O Basic

Vendor: J.E. Stewart

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $189.50

G&O Basic is software which facilitates the making of Individual Education Plans (IEPs) and progress reports. The software has a five step process for producing IEPs; the user enters classroom information, student names, goals and objectives, scores and data, and then prints out the IEP. The program includes the purchaser's choice of three curriculum disks from the ERIN and WSCC sets (see separate production descriptions).

Optional software includes Additions, a set of six programs to round out computer management.

Product Name: Gateway Authoring System

Vendor: Don Johnston Developmental Equipment

Computer: Apple Macintosh Plus,
Apple Macintosh SE/II

Manual Form:

Cost: $90.00

Gateway Authoring System is a program for creating stories that can be accessed in the same way as Gateway Stories (see entry). Text and graphics are placed by the teacher on HyperCard stack cards. Buttons that permit control over the stories (going forward or backward in the stack, reading the stack, or quitting) are then placed on the cards.

Product Name: GhostWRITER

Vendor: Precedent Systems, Inc.

Computer: IBM PC Family

Manual Form:

Cost: $1,795.00 - $3,985.00

GhostWRITER is a software program designed to automate the process of note-taking and report writing for therapists. To use the program the therapist fills out a check-off form or a DictaForm concerning a client and enters the information into the GhostWRITER program. From this data, the program analyzes the client's clinical profile and can generate a customized daily check-off form, note logs, progress reports, and discharge summaries for each client's file.

Product Name: Goal Digger

Vendor: IEP

Computer: Apple IIGS, Apple IIc, Apple IIe, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Manual Form:

Cost: $69.00

Goal Digger is a computer program that can be used to print an Individual Education Plan (IEP), including goals, objectives, criteria, conditions, evaluation procedures, and methods. The user develops the plan by using a source book called "The Goal Mine" (included), and may insert her own wording for any part of an objective or method. Twenty-three preformatted IEP forms are available on the program disk. Multi-user licences are available.

If Goal Digger is being run on an Apple II, two 5.25" disk drives are required.

Product Name: Goal Rush

Vendor: IEP

Computer: Apple IIGS, Apple IIc, Apple IIe, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $169.00

Goal Rush is a computer program that may be used to print Individual Education Plans (IEPs) using one of 23 formats. Goals, objectives, criteria, etc. are chosen using the source book "The Goal Mine" (included). The user may add his own wording to any student's record, or add new goals and objectives to the "Goal Mine" library supplied on disk.

Multi-user licenses are available; contact manufacturer for details. If the program is being run on an Apple II, two 5.25" disk drives are required.

Product Name: HESI Software Report System

Vendor: Pro-Ed

Computer: Apple II+, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $79.00

The HESI Software Report System is used to score the Hudson Education Skills Inventory (HESI). Different versions of the Report System are available for the Math, Reading, and Writing test batteries. Before the test is administered, data may be entered into the system to provide a printed report on where HESI testing should begin. After the test has been completed, a printed Instructional Planning Form may be generated to provide test performance data, and goals and objectives in basic skills areas.

Product Name: Human Service Information Systems/Fund Accounting

Vendor: Echo Consulting Services, Inc.

Computer: IBM PC Family

Manual Form:

Cost: $995.00 - $1,500.00

Human Service Information Systems (HSIS) and Fund Accounting Series are two sets of programs designed to provide assistance to clinicians. HSIS is a database structure that stores information on intake, clinical, client participation in rehabilitation programs, referrals, incident reporting, assessments, and Individualized Program Plans (IPPs). This information can be used to produce a variety of reports. The HSIS structure is tailored to each purchaser; the clinician then enters the appropriate information.

The Fund Accounting Series includes modules that cover the following functions: General Leger ($995.00); Accounts Payable ($995.00; demo of General Leger and Accounts Payable modules available for $25.00); Payroll ($1,500.00; demo available for $35.00); Development ($995.00; demo available for $25.00); Quick Receivable ($995.00; demo available for $35.00); and Clinic Accounts Receivable for Medicaid billing (price depends on configuration). The programs in the Fund Accounting Series may be interfaced with HSIS where appropriate. A self-running demonstration slide show is available free; contact manufacturer for details.

Product Name: I.E.P. Entry

Vendor: Programs-That-Work

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $199.00 - $499.00

I.E.P. Entry is a program for creating, storing and printing Individual Education Plan reports. The program allows the instructor to select from a list of 1,000 I.E.P. objectives which may be edited, deleted, or added in order to meet individual needs. Objectives are available in all areas upon request. The program can generate ongoing reports including the student's personal information, progress in terms of 74 objectives per subject area grade level with unlimited objectives per report (number of objectives chosen is at user's discretion), and a "Goal Page" which shows long-term goals. I.E.P. Entry provides all options and commands in menu form, and allows for customization of reports.

The first package purchased is $499.00, the second copy is $299.00, and subsequent copies are $199.00.

Product Name: iepSYSTEM

Vendor: IEP

Computer: Apple IIGS, Apple IIc, Apple IIe, Apple Macintosh Family, IBM PC Family, Tandy 1000

Manual Form: Printed Manual

Cost: $199.00

iepSYSTEM is a program for planning, revising, and printing Individual Education Plans (IEPs) in English or any other language that can be written in English characters. The "IEP Planner" feature allows the beginning user to select codes representing prepared wording, in order to assemble an IEP from component goals, objectives, paragraphs, etc. stored in the system. Later the user can modify or delete wording, or add entirely new material. Text files included are: Goals and Objectives, Methods, Criteria, Conditions, and Evaluation. The user may also create new categories. The program accepts special comments unique to a particular student. The user has control over such format features as margins, tabs, spacing, centering, and page-breaks. Progress reports can be printed in two formats: a full-width page narrative, or columns with X's indicating ratings for each objective. IEP revisions can be completed in two to four minutes.

A multi-site license basis is available; contact manufacturer for details. Customization and training are available (extra).

Product Name: Individual Educational Program

Vendor: Huebner, Ruth, M.S., O.T.R.

Computer: Apple II+, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $29.00

The Individual Education Program (IEP) is used to determine treatment objectives and plans for Occupational Therapy clients. Areas covered are: basic sensory abilities, basic motor abilities, gross motor development, fine motor development, self-care, oral motor and feeding skills, visual perceptual skills, and mainstreaming. Each area includes a list of 100 to 300 short- and long-term objectives, methods, materials, and evaluation tools. The user may add his own specific objectives, methods, or tools. To generate a report, the user enters site- and client-specific information, then enters numbers corresponding to those identified with each specific statement. The computer organizes the statements according to the user's specifications and prints out an IEP.

IEP requires use of an Apple II, IIe, or IIc computer, and an Epson or Imagewriter printer. When the program is ordered, it is necessary to specify which printer will be used.

Product Name: Language Intervention Planner
Vendor: Parrot Software
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $89.50

LIP is a program to help a speech-language pathologist develop in an organized form goals and objectives for children with language delay. The program contains goals and objectives based on analyses of development of language content, form, and use. The goals and objectives for preverbal and early verbal utterances are based on a function, or pragmatic orientation.

Goals and objectives are selected by number and printed in a format with room to evaluate performance.

Product Name: Learning Skills Profile
Vendor: Academic Therapy Publications
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $65.00

Learning Skills Profile is a program for analyzing results from the WISC-R test. Learning Skills Profile ties test performance to essential learning skills and provides recommendations for strengthening a student's deficits. The user enters WISC-R results, plus selected achievement test results, and the program analyzes the scores and prints a profile showing strengths and weaknesses in 14 areas related to visual, auditory, verbal, kinesthetic, and abstract processing. Recommendations are provided for supplementary testing, ability-achievement discrepancy information is given, and remedial activities are suggested for each deficit area.

Learning Skills Profile requires one disk drive, 48K of memory, and an 80-column printer.

Product Name: Lesson Editor

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $100.00

Lesson Editor is a program that expands the use of First Words and First Words II (see entries) for Apple II computers. The program may be used to create customized lessons using two to ten of the 100 nouns from the two First Words programs. New lessons can include words from different categories or add new vocabulary items within the same category. A series of progressive lessons can be designed. Up to 30 lessons can be designed and saved on one Lesson Editor diskette; previously saved lessons can be modified. Menu options and instructional features are identical to those of First Words and First Words II.

Lesson Editor requires an Apple II computer with 64K memory, a monitor, a speech synthesizer, a 5.25" disk drive, and First Words or First Words II for the Apple IIe. A second disk drive is required if vocabulary from both First Words programs will be used. A color monitor, TouchWindow (see entry), and printer are recommended. Interface options include TouchWindow, single switch, keyboard, and game controller.

Product Name: Marathon

Vendor: Precedent Systems, Inc.

Computer: IBM PS/2 Family

Manual Form:

Cost: $1,995.00 - $3,995.00

Marathon is a software system developed for office management in physical therapy practices and rehabilitation agencies. The software is entirely menu-driven and has on-line help messages. The system has three basic components: Billing, General Ledger Accounting, and Practice Management. Billing which can file computerized insurance claims plus generate collection reports, deliquency letters, follow-up reports, and bills. General Ledger Accounting has functions for generating financial statements, cash flow analyses, and structuring budget developments as well as processing transactions between different departments. Practice Management is a series of statistical and patient care reports which can monitor referral patterns, staff productivity, reimbursement patterns, equipment utilization, plan of care status, and treatment success.

The three modules of Marathon can be purchased separately or as a set. All modules include a word processing program at no extra cost.

Product Name: Model BEP I, II, III, IV, V, VII

Vendor: Human Performance Measurement, Inc.

Computer: IBM PC Family

Manual Form:

Cost: Contact manufacturer

HPM's Models BEP I, II, III, IV, V, and VII comprise a family of measurement tools designed to test standardized extremity and basic central processing performance measures. Each system consists of menu driven software, an interface unit that provides stimuli, a power supply, and manual. Responses are entered directly into the computer from the interface units. Data is then presented in both raw form and visual format. Data representing standardized reference populations is included. Performance measures may be viewed on the computer or printed out.

BEP I covers central processing and upper extremity motor control. BEP II covers lower extremity motor control. BEP III covers isometric and grip strength. BEP IV covers posture stability. BEP V covers steadiness (tremor). BEP VII covers range of motion and posture. An IBM PC, XT, or AT with two disk drives and EGA or CGA graphics is required.

Product Name: Parrot Easy Language Sample Analysis (PELSA)

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $159.50

PESLA is designed to do a grammatical analysis of a language sample. The user types and translates a language sample of up to 100 utterances. The computer then analyzes the sample and provides the following analyses: percentage correct of specific demonstratives, locatives, pronouns, articles, conjunctions, prepositions, possessives, comparatives, superlatives, copula be, modals, past tense markers, and present progressive markers. In addition, the user is provided with a list of auxillary + verb, infinitive, past tense, and present progressive verb forms. At the end of the analysis there is a summary table of the percentage correct of all of the above grammatical markers, number of affirmative, negative, and question sentence types, number of utterances, number of words used, and mean length of response. Other program features include: language sample editing, printout of results, printout of corpus, ability to save a corpus for later retrieval and analysis, and a tutorial for coding a language sample. Another program, Parrot Language Sample Utility (PLSU), allows users to modify PELSA to analyse transcript information according to any coding scheme (extra).

Product Name: PennStar System

Vendor: PennStar Support Group

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Printed Manual

Cost: $50.00

The PennStar System is a set of computer programs designed as administrative aids to special education professionals. The PennStar Curriculum Manager allows production of a curriculum that includes lists of learning objectives with related materials and methods, quality goal learning objectives, expected levels of achievement, and procedures for evaluation. The report generated is intended to serve as a resource for Individual Education Plan (IEP) production. The PennStar IEP Manager can be used to produce an IEP that can be saved to disk. The Master Curriculum included with the IEP Manager has over 4,000 short-term objectives which may be edited, augmented, or deleted.

Each program is $25.00 if ordered within Pennsylvania and $50.00 if ordered outside Pennsylvania.

Product Name: PEPPER

Vendor: Lawrence Erlbaum Associates, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $395.00 - $495.00

PEPPER: Programs to Examine Phonetic and Phonologic Evaluation Records is a series of speech analysis programs designed to examine phonetic, phonologic, and prosodic aspects of normal and disordered speech. Speech transcripts can be entered using broad (IPA) or more narrow phonetic transcription systems for single or multiple samples. Ten analysis programs provide quantitative profiles of consonants, vowels, and diphthongs by segment, word, position, feature, and phonological process. Flexible output programs allow the user to select and order speech tokens for individualized qualitative analyses, including Structural Statistics, Percentage of Consonants Correct, a series of Articulation Tests, Natural Phonologic Process Analysis, and Word Lists. Reference data for all analyses allow client and subject profiles to be compared to profiles of other speech-normal and speech-delayed children.

Program includes four disks, phonetic keyboard template, and forms for keeping files. System requires two floppy disk drives or one floppy and one hard disk drive, a math co-processor, and a printer. The price is $395.00 prepaid or $495.00 list.

Product Name: Phonological Process Tutor

Vendor: Parrot Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $99.50

Phonological Process Tutor was designed to provide practice to individuals interested in learning how to find phonological processes in unintelligible speech. It assumes that the user is familiar with the concept of phonological processes and wants practice identifying processes before attempting to do a process analysis for a real speech sample. There are four graded levels of practice. The program contains 400 different problems presented in random sequence. Words are presented using large-type International Phonetic Alphabet characters. User responses to the first three levels require entry of two letter process abbreviations from a pool of 18 different processes. If the user forgets appropriate keys during a session, a picture of the keyboard can be displayed. Process definitions and correct examples are given when the user makes incorrect responses. An evaluation of performance is supplied at the end of each lesson.

Product Name: PICApad II: Report Generator for the PICA

Vendor: Sunset Software

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $252.95

PICApad II is a test analysis and scoring program for the aphasia test called the PICA. The program calculates and prints all values for the test, including subtest and modality means, variability, and left, right, and bilateral percentiles. Data is presented in a well-structured, high-quality three page report that contains text, tables, and graphs, and can substitute for the PICA Score Sheet, Ranked Response Summary, Rating of Communicative Ability, and HOAP Slope forms. Data can be stored on disk for later editing and re-analysis. Contact manufacturer for information on other features.

PICApad requires an Apple II computer with at least 128K of memory and an Imagewriter I or II printer. The program is not copy protected and can be transfered to a hard disk or RAM disk for greater speed.

Product Name: Pro-Score Systems
Vendor: Pro-Ed
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $79.00 each

Pro-Score Systems are computerized scoring systems for various standard tests. Programs are available for scoring the TOLD-2 Primary, TOLD-2 Intermediate, TOWL-2, SCREEN, the DAB, the DATA, and the ABI. Each program is menu-driven, and the programs use similar commands and report formats. Each program generates a four-page report containing the following information: background information; raw scores, standard scores, percentiles, and descriptors for each test; standard score sums, percentiles, and descriptors for all composites and quotients; cognitive score (optional); profiles for subtests and composites; intra-individual comparisons of all possible composites; and significance testing of all comparisons.

Pro-Score Systems allow the user to save test information on a separate disk and, on the IBM versions, to store the results in ASCII files for use by word processing systems that can read ASCII files.

Product Name: Pure Tone Simulation
Vendor: Parrot Software
Computer: IBM PC Family
Manual Form:
Cost: $149.50

Pure Tone Simulation is a software program that teaches audiometry technique. The program, which is accompanied by a 42-page printed text, has three windows: an audiometer showing all dial settings, which can be manipulated using the numeric keypad; an animated listener that raises his hand in response to the stimulus; and a graph window that shows either an audiogram, a masking curve, or a Hughson-Westlake response curve.

Pure Tone Simulation is $149.50; additional copies are available for $19.50. A free demo disk is available on request. CGA, EGA, MCGA, or VGA video capability is required.

Product Name: R/COM
Vendor: R/COM, Inc.
Computer: IBM PC Family
Manual Form:
Cost: $5,500.00 - $9,500.00

R/COM is a set of software programs designed to facilitate the operation and management of inpatient and outpatient medical rehabilitation facilities. The three modules of R/COM may be purchased as a package or as individual units. The modules are: Resource Management ($9,500.00) which is used to allocate staff, space, and equipment as well as to track staff utilization, procedures performed, and other productivity information; Program Evaluation ($7,000.00) which allows up to 126 custom designed fields to be added to a client database, clinic evaluation information to be tracked, and reports with graphics generated; and Patient Outcome ($5,500.00) which enables emulation of numeric measurement systems (such as Functional Independence Measurement or Level or Rehabilitation Scale) and generates case management and quality assurance reports.

Prices include a manual, telephone support, on site trainng, and updates released within the first six months after purchase.

Product Name: Referential Semantic Analysis
Vendor: Teaching Texts
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $40.00

Referential Semantic Analysis (formerly Word Class Inventory for School Age Children) provides a fast referential semantic analysis of any 50-utterance language sample. The following information is analyzed: overall semantic diversity (number of different words compared to number of total words), across-category diversity (e.g., number of nouns compared to number of total words), within-category diversity (e.g., number of different nouns compared to total nouns), and frequency distribution for each word in a sample.

Language samples and analysis can be printed out. Documentation provides tables of normative data (ages 2-15) for comparative purposes, with suggested interpretive guidelines.

Product Name: Rehabilitation Data System

Vendor: Discovery Data Systems, Ltd.

Computer: Apple Macintosh Family

Manual Form:

Cost: $2,500.00 - $3,700.00

Rehabilitation Data System (RDS) is a management information software program for rehabilitation programs. Data may be stored and transfered to and from other computer programs. Types of data that may be tracked using the system are: patient demographics, admission information, program placement, referrals in and out, client program schedule, client treatments, client progress and outcome, client functional assessment, diagnostic severity rating, treatment costs, staff information, staff CEU tracking, staff/client interaction, and patient discharge and post-discharge tracking.

RDS is $2,500.00 for a single user system and $3,700.00 for a system for two to ten users; both prices are for a custom configured system.

Product Name: Rehabilitation Manager

Vendor: Easter Seal Systems

Computer: IBM PC Family, IBM PS/2 Family, IBM RT PC

Manual Form: Printed Manual

Cost: Contact manufacturer

Rehabilitation Manager is an integrated client information, management, and tracking system for rehabilitation professionals. The system contains modules for patient scheduling, productivity, functional rating scales, narrative generation, demographic analysis, and individual patient treatment plans.

Rehabilitation Manager meets CARF, CORF, and JCAHO accreditation requirements for record keeping, report writing, program evaluation, quality assurance, and market-based planning.

Product Name: SALT (Systematic Analysis of Language Transcripts)

Vendor: Language Analysis Lab, Waisman Center

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $395.00

SALT is a language analysis tool with many coding and analysis options that can be selected and combined to meet each user's specific needs. Options are available for either a standard set of analyses or user-created analyses. Standard SALT performs over 50 analyses of language samples of any length or number, with flexible transcript coding and editing. Analyses include summaries of: total, complete, and incomplete utterances; total words, root words, TTR and MLU; Brown's stage and related normative data; pauses, transcript duration, morpheme analysis; utterance attempts/minute, words/minute; and several other types of criteria. A second option for individually created coding uses SALT to sort and identify utterances coded for search by an individual scheme. SALT can be directed to find any symbols, words, or combinations of items, before, after, or with other items of interest.

There are two optional utility programs available: SALT Database Profiler ($200.00) and SALT-FILE ($100.00). The Apple II version requires 64K and two disk drives; the IBM PC version requires 520K and two disk drives; only standard SALT is available in Macintosh format. A hard drive is recommended.

Product Name: Sheri

Vendor: Performance Monitoring Systems

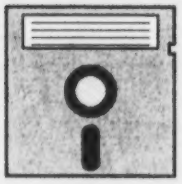
Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $79.00

Sheri (formerly called Progress Monitoring Program (PMP)) is a program for tracking student goals and performance in the context of an IEP. The instructor can store information on each student's goals, projected performance, and actual performance in any desired skill area. This information can then be compiled in table or graph form for review on screen or in print. Data that can be reported include: the student's goal, the goal aimline, one or two sets of data (correct-incorrect, target-peers, etc.), the slope of improvement of current data, the average growth of the data, and the cumulative growth of the data (objectives mastered, total points earned, etc.). The instructor can graph these dimensions on a single graph for comparison of actual to desired progress. Data can be selected for inclusion in a report by a number of factors, such as number of results or date of results. Sheri can also generate reports which document and describe changes made in a student's program. Students can be tracked over either a school or calendar year, either including or excluding weekends. An initial intervention plan may be entered.

Two disk drives are required, plus a printer if desired.



Product Name: Slosson Intelligence Test - Revised Computer Report

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II Family, IBM PC Family, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $89.00

Slosson Intelligence Test - Revised Computer Report (SIT-RCR) is a program for analyzing the results of the 1991 version of the SIT-R. The program examines the IQ and reports the ability level based on it. The program examines the age and IQ level, selects the proper value for the 95% confidence interval, and reports the next expected grade level. Achievement standard scores in each area are analyzed, and appropriate statements comparing achievement and ability are generated. SIT-CR also determines the severe discrepancy level, examines the degree of scatter, displays SIT items by categories, and, if IQ and actual achievement scores are below a certain level, prints a statement suggesting further diagnostic evaluation in the area concerned. The report lists materials which may be used in remedial instruction, by areas of weakness and grade level.

The SIT-CR includes manual, program disk, backup disk, and 20 input data sheets.

Product Name: Spectrum 1

Vendor: West Virginia Research and Training Center

Computer: IBM PC Family

Manual Form:

Cost: Contact manufacturer

Spectrum 1 is a series of computer programs for information management by rehabilitation professionals. The series consists of eight programs. The Spectrum Menu Builder is a user-modifiable program that allows menu access to the other software programs in the system. Additional modules include the Calendar Planning Manager, used to record and retrieve information on events; Procurement/Tracking, which enables the user to find the fee for a specific service by searching either on exact service name or browsing a range of services; the Preliminary Diagnostic Questionnaire, designed to permit input of scores and generation of a report on the results of the PDQ employment evaluation; Personal Calendar System; Job Search System; Vocational Behavior Assessment; and CaseChart, which graphically displays caseload data. Contact manufacturer for pricing and information on multiple-copy license options.

Product Name: Stanford-Binet Computer Report (SB-CR)

Vendor: Southern Micro Systems

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $295.00

Stanford-Binet Computer Report (SB-CR) is a test analysis and reporting program that generates a psychological report based on performance on the Stanford-Binet Intelligence Scale. The results may be a component of a final report or used in writing one.

Program requires two disk drives for operation.

Product Name: TALLEY Goals and Objectives Writer

Vendor: Curriculum Associates, Inc.

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $49.95 - $149.95

TALLEY Goals and Objectives Writer is a menu-driven program that allows the user to create and print IEP goals and objectives. The program prints these goals and objectives in a pre-set format. The TALLEY package also provides paper Master Student Data Sheets so that the user can record information and then send it to another person for data entry. Up to eight goals and 48 objectives per student can be printed in one pass. Student information is not stored by the program.

The TALLEY program disk is $149.95. The following Objective Program Disks are also available: Yellow Brigance Inventory of Early Development Revised ($49.95), Green Brigance Comprehensive Inventory of Basic Skills ($69.95), and Red Brigance Inventory of Essential Skills ($68.95). A formatted disk for creating teacher-specified goals and objectives is available for $9.95. A version of this program called WORD Goals and Objectives Writer II which has data storing capability is also available.

Product Name: Teacher's Pet

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Large Print Manual

Cost: $21.75

Teacher's Pet is a talking test authoring computer program. The program can be used to create and administer drill and practice exercises, tests, and quizzes. Tests that can be created may be multiple-choice, fill-in-the-blank, single question/single answer, or simple matching. The author can enter a range of acceptable answers (so that, for example, the student can type in either "4" or "four" as an appropriate answer). Explanatory or instructional material can also be added to the tests.

Teacher's Pet will run on any Apple II computer with at least 128K of memory. An appropriate Echo speech synthesizer is required.

Product Name: Test of Early Reading Ability-2 (TERA-2) Scoring System

Vendor: Pro-Ed

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $79.00

Test of Early Reading Ability-2 (TERA-2) Scoring System is a software program for analyzing results of the TERA-2 test. The program converts raw scores into a TERA-2 quotient, percentile, and normal curve equivalent, and allows for comparisons with other tests and across TERA-2 forms. Test scores are plotted graphically to depict performance. The IBM version stores data, and calculates and displays means and standard deviations for the child's reference groups or the entire school district. The program can also be used to produce mailing labels for distributing test results.

Product Name: The Logical Choice (TLC)

Vendor: Center for Developmental Disabilities

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: Contact manufacturer

The Logical Choice (TLC) is an information and referral software package for use by persons who provide referrals to clients. The person uses TLC to build a database of local, community, state, and national resources, which can then be searched for appropriate referrals to meet the client's needs. Client demographics are recorded along with all referrals given; statistical reports are then generated from this recorded information. Referral information includes: service provider name, two contact persons, address, phone number, hours of operation, accessibility, ages served, reimbursements accepted, eligibility requirements, transportation, services offered, conditions accepted/treated, geographic areas served, and consumer grievance contact person. The information may be searched in a variety of ways. Information may be printed for distribution, and a word processing subroutine may be invoked to generate mass mailings, etc. A report generator program permits generation of user-specified reports and a service provider tracking system. A Service Provider tracking process is used for adding and updating provider information. The price of the system includes software, installation, two weeks' training, procedures manual, technical assistance, and limited implementation support.

Product Name: TOAL-2 Software Scoring System

Vendor: Pro-Ed

Computer: Apple II+, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $79.00

The TOAL-2 Software Scoring System provides a computerized method for scoring the Test of Adolescent Language-2 (TOAL-2). The program produces reports of converted raw scores and composite scores, and compares the composite scores for the entire test. An 80-column printer is required.

Product Name: Understanding Decibels
Vendor: Parrot Software
Computer: IBM PC Family
Manual Form:
Cost: $149.50

Understanding Decibels is a software program that provices training in the theoretical and practical aspects of decibel computations for audiologists. The program consists of two units. The Math Unit provides a review of scientific notation, ratios, logarithms, and antilogarithms, and gives step-by-step solutions to decibel-to-intensity and intensity-to-decibel problems. The Problem Unit can generate an infinite number of both intensity and sound pressure problems.

Experience with basic algebra is required to use Understanding Decibels. A demo disk is available free on request. The first copy of the program is $149.50; additional copies are available for $19.50. CGA, EGA, MCGA, or VGA video capability is required.

Product Name: UNISTAR II+
Vendor: Southern Micro Systems
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $247.00

UNISTAR II+ is a computer program for creating and generating an IEP. The menu-driven program includes over 1,400 goals and objectives; users can either use those goals and objectives selected by the computer or manually choose their own. Goals and objectives may also be customized. The user may choose to generate either the short form IEP or the complete IEP. A "present functioning" chart is created. UNISUM, a data summary program for status and progress reporting, is included.

Product Name: Valpar System 2000
Vendor: Valpar International
Computer: IBM PC Family
Manual Form:
Cost: $500.00 - $4,000.00

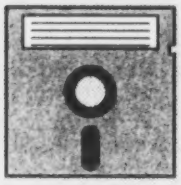
Valpar System 2000 is a series of software modules designed to facilitate skills assessment, job searching, report writing, and client accountability. The System consists of the following modules: Compass, an assessment tool gauging a client's knowledge, skills, and abilities; DOT Database, profiles and lists jobs from the Dictionary of Occupations Titles; Career Planner, allows a client to review a focused cluster of DOT jobs; Work History, analyzes the client's actual and potential skills to create a personal profile; Work Sample Scorer, allows a client to test scores from work tests; and Local Database, allows area jobs and training programs to be defined and stored so that reports can be generated.

Valpar System 2000 is available in several configurations; price varies according to modules desired.

Product Name: Vertex System
Vendor: Vertex Systems Corporation
Computer: IBM PC Family, Unix
Manual Form: Printed Manual
Cost: Contact manufacturer

The Vertex System (formerly Workshop Information Manager) is a management information system designed specifically for workshop-rehabilitation facilities. The system consists of several software modules for different aspects of management. Modules are available individually, and can be added as needed. Module 1, "Client Payroll," covers payroll, benefit accrual, check reconciliation, and wage reporting. Module 2, "Production Control," covers job estimating, work order processing, purchasing and receiving, inventory control, job costing, and invoicing. Module 3, "Financial," covers staff payroll, general ledger, accounts payable, and accounts receivable. A "Query Report Writer" is available to permit users to create custom reports that can draw information from all of the other modules.

The Vertex System is available for a number of different computer systems, including single and multi-user systems. Training and support are also available. Contact the manufacturer for details and prices.



Product Name: VOC Report
Vendor: Conover Company
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $110.00

VOC Report is a "word processing" type program which summarizes vocational, educational, and personal data on a person's background and assessment information. It is intended to standardize a reporting format which includes important aspects of a vocational report. Contact manufacturer for further details.

Product Name: WAIS-Riter "BASIC"
Vendor: Southern Micro Systems
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $199.00

WAIS-Riter "BASIC" is a test analysis and reporting program that provides complete calculations and comparisons of scaled scores in the WAIS-R (Wechsler Adult Intelligence Scale - Revised). The user enters the subtest scores, VIQ, PIQ, and FSIQ, and the program develops an individualized report or data. The scores from any achievement test can be entered. WAIS-Riter "Basic" can be personalized using an editing feature.

The program is available for the IBM-PC family and the Apple IIe and IIc, but it will not run on the Apple II+.

Product Name: WAIS-Riter "Complete"
Vendor: Southern Micro Systems
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $495.00

WAIS-Riter "Complete" is a test analysis and reporting program that provides complete calculations and comparisons of scaled scores in the WAIS-R (Wechsler Adult Intelligence Scale - Revised). The user enters the subtest scores, VIQ, PIQ, FSIQ, and the GE scores of Reading, Spelling, and Arithmetic from another achievement test, and the program develops an individualized report or data. The scores from any achievement test can be entered. WAIS-Riter "Complete" can be personalized using a word processor (extra) to add clinical observations and other notes. The report includes six pages of interpretations covering levels, strengths and weaknesses, and comparisons with profiles to possibly suggest brain damage, schizophrenia, emotional disturbance, or behavioral disorders.

Product Name: Waveform Display System Model 6091
Vendor: Kay Elemetrics Corporation
Computer: IBM PC Family
Manual Form: Printed Manual
Cost: $1,195.00

The Waveform Display System works in conjunction with the Visi-Pitch Model 6087AT (see entry) for displaying LX waveforms on a computer. The system permits instantaneous display of phonatory changes in the LX waveform. A split screen permits comparison of the two waveforms.

The system consists of a plug-in card for the computer plus software.

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Product Name: Wechsler Adult Intelligence Scale-Revised (WAIS-R)

Vendor: Psychological Corporation

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $179.00

Wechsler Adult Intelligence Scale - Revised (WAIS-R) Computer Report is a computerized analysis program to facilitate interpretation of the WAIS-R. The program performs calculations and comparisons of the scaled scores.

Program includes manual and one disk.

Product Name: WISC-R Compilation: What To Do Now...

Vendor: Academic Therapy Publications

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $65.00

WISC-R Compilation: What To Do Now That You Know the Score (Computer Edition) is a computerized version of the WISC-R Compilation by Whitworth & Sutton. The program is designed to help identify practical and concrete objectives for remedial activities based on WISC-R subtest scores. The program can be used independently, or can tie directly into student files created by Academic Therapy Publications' Explorer program (see entry).

The program requires two disk drives, 48K of memory, and an 80 column printer.

Product Name: WISC-Riter "BASIC"

Vendor: Southern Micro Systems

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $199.00

WISC-Riter "BASIC" is a test analysis and reporting program that provides computer-assisted interpretation of the WISC-R. The user enters WISC-R subtest scores, VIQ, PIQ, and FSIQ, to generate a 3-4 page report. The user has the option to include or bypass entering information from any achievement test. WISC-Riter "BASIC" can be personalized using an editing feature.

Program includes two disks (one is a back-up), manual, and teacher's guide. The program is available for the IBM PC family and the Apple IIe and IIc, but will not run on the Apple II+.

Product Name: WISC-Riter Complete

Vendor: Southern Micro Systems

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $495.00

WISC-Riter Complete is a test compilation and reporting program for the WISC-R. The program is designed to help prepare a comprehensive psychological report based on student performance on the test. An editing feature allows the report to be personalized. The program generates a seven to eight page interpretive report.

Program includes two disks (one is a back-up), manual, and teacher's guide. The program is available for the IBM-PC family and the Apple IIe and IIc, but will not run on the II+.

Chapter 19

Assessment Software

This chapter includes application programs whose primary function is an evaluative one. If the program's primary function is to provide therapy, but it involves data tracking or assessment components, it will be found in Chapter 20 (Education, Training, and Therapy Software), and cross listed in Index 1 under the function Assessment (AS). If the program is primarily meant to assess or evaluate, but it can be used in therapy, it will be listed in this chapter and cross referenced under Education, Training, and Therapy (ET) in Index 1.

Other related functions listed in Index 1 include Analysis and Reporting (AR); Education, Training and Therapy (ET); Activities of Daily Living (AD); and Vocational (VO). Appendix C lists Service Centers for Augmentative Communication and Computer Access, and Computer Assessment and Training Programs for Disabled Individuals. Many of the organizations on these lists provide assessment services.

The following product entries appear in this chapter:

AAMR Adaptive Behavior Scales: Second Edition Software, *529*
Assess, *529*
Assessment of Intelligibility of Dysarthric Speech, *530*
Augmentative Communication Evaluation System (ACES), *530*
CARA (Computer Assisted Reading Assessment), *531*
Catch the Cow, *531*
Compute-A-Match, *532*
CSL (Computerized Speech Lab) Model 4300, *532*
Developmental Profile II (DP-II), *533*
DPS:BCP, *533*
Embedded Figures Test, *534*
Evaluate, *534*
Game Power for Phonics, Plus, *535*
Job Search and Local Job Bank, *535*
KEY Method Worker Rehabilitation System, *536*
Microcomputer Evaluation of Career Areas (MECA), *536*
OT FACT, *537*
Process Analysis Version 2.0, *537*
Proportional Simulations Disk, *538*
Prosody - Voice Screening Profile Software, *538*
Randt Memory Test, *539*
Say & See, *539*
Sensimetrics SpeechStation, *540*
Serial Recall: Assessment, *540*
Single Switch Assessment Program for IBM, *541*
Test of Language Development-2 (TOLD-2), *541*
Touch Com, *542*
Visagraph Eye-Movement Recording System, *542*
Visual/Perceptual Diagnostic Testing & Training Progs., *543*

The following products from other chapters can also be used for Assessment (Evaluation):

90-A Timer and CTR-1 Counter, *21*
Ability Switch Tester, *21*
Active Stimulation Programmer, *22*
Active Therapy System (ACTS), *551*
Activity Board, *23*
Adventures of Jimmy Jumper - Prepositions, *552*
And Or Box, *24*
Anivox Computer Speech System, *553*
Apple Demo Disk, *555*
Audio Control Unit Model 112, *24*
Battery Adapter, *25*
Battery Device Adapter, *25*
Battery Interface, *26*
Battery Interrupter, *26*
Beeper, *238*
Brunswick Hospital Cognitive Assessment & Retraining, *563*
Buddy's Body, *563*
Call Bell, *239*
Call Signal 2, *240*
Captain's Log: Cognitive Training System, *566*
Career Planning System, *566*
Chime Alarm, *240*
Choice Board, *66*
Clock Communicator, *28*
Cognitive Participation Rating Scale (CPRS), *494*
Comboard, *28*
Communiclock, *29*
Compartmentalized Communicator, *29*
Computer Activated Environmental Control Unit, *30*
Computerized Adult Aural Rehabilitation, *496*
Control Unit Model 102, *30*
Control Unit Model 201, *31*
Control Without Keyboards, *98*
Counter Box, *31*
Counter Module, *32*
CREATE, *583*
Delay Timer DT-1, *32*
Dial Scan, *33*
Dual Channel Latching Switch Interface, *33*
Dual Switch Latch and Timer, *34*
E-Tran Scanner, *35*
Emergency Call Alarm, *242*
English on the Job, *594*
ERIN (Early Recognition Intervention Network), *595*
EvalPAC with RealVoice, *102*
Family Fun, *596*
Fingerspeller and Fingernumbers, *598*
Further Adventures of Jimmy Jumper - Perseverance, *605*
Handi-Keys, *265*
Idioms in America, *612*
Invertor Module, *36*
Job Readiness Series, *615*
Join the Circus, *616*
Keyboarding for the Physically Handicapped, *619*
Keypad, *37*
Keypad Trainer, *37*
Laryngograph, *623*
Learn to Scan, *624*
Lighted Extra Loud Signalling Buzzer, *244*
Lighted Signalling Buzzer, *245*
Lighted Vibrating Signalling Buzzer, *38*
Logo TouchTools for the PowerPad, *628*
Make It Happen, *630*
Make It In Time, *630*
Make It Scan, *631*
Math on the Job, *632*
Model BEP I, II, III, IV, V, VII, *510*
Motor Training Games, *716*
Multiswitch Module, *39*
Nasometer, *643*
Optimum Resource Reading Program, *646*
Padded Food, *646*
Parrot Easy Language Sample Analysis (PELSA), *510*
Perceptual Motor Trainer, *41*
Play and Match, *652*
Practice Communication Cards, *87*
Primer 83, *656*
Push-On-Push-Off Module, *42*
Puzzle Switches, *43*
Quad Talk, *44*
Rabbit Scanner, *659*
RealVoice, *114*
Reasoning Skills on the Job, *662*
Rehabilitation Data System, *515*
Rhythm Generator, *44*
Rotary Communication Scanner, *45*
Run Rabbit Run, *665*
Sequential Scanner, *46*
Serial Recall: Rehearsal, *669*
Series Adapter, *47*
Signal Buzzer, *249*
Sound Match, *675*
Speller Teller Communicators, *48*
Steeper Communication/Teaching Aid, *48*
Survival Words, *683*
Switch Latch, *49*
Switch Latch/Timer, *50*
Switch Latcher SWL-1 and Double Switch Latcher DSL-2, *50*
Symbol Training Display, *51*
Symbol Writer, *686*
Talking Touch Window, *689*
Tape-A-Message Mike and Adapted Tape-A-Message, *51*
Target, *690*
Timer Module, *53*
Tone Switch Box, *53*
Toy Adapter, *54*
Toy Adapter Cables: CA-9/CA-12/CA-16, *54*
Toy Cable, *55*
Training Aid 2, *56*
Tri-Responder, *56*
Valpar System 2000, *522*
Variable Position Scanner, *57*
Versascan, *57*
Vibrating Sack, *58*
Zygo Model 16C-JK, *60*
Zygo Model 20, *60*
Zygo Model 21S, *61*

Product Name: AAMR Adaptive Behavior Scales: Second Edition Software

Vendor: Western Psychological Services

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form:

Cost: $135.00

AAMR Adaptive Behavior Scales: Second Edition (ABS-2) Software is a software program used to derive and interpret raw scores from the Adaptive Behavior Scales (ABS). The ABS is used to assess children (ages 3 and older) and adults with cognitive, emotional, or developmental disabilities on 10 behavior domains and 14 domains of maladaptive behavior. ABS-2 converts raw scores into derived scores and produces a narrative interpretation of results. The Second Edition is available in two versions, one for residential and community settings and the other for schools. The Residential and Community Edition (ABS-RC:2) can be used with children and adults in residential settings; the first part of the scale covers skills and habits in ten behavior domains and the second part assesses maladaptive behavior in eight domains. The School Edition (ABS-S:2) assesses the same domains as the Residential Edition.

Product Name: Assess

Vendor: Lexia Learning Systems, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $150.00 each

Assess is a program that provides a five to ten minute phonics-based diagnostic reading test. The program presents letters and words on the computer screen; the clinician presses a key on the keyboard to indicate a correct or incorrect response. When the test is complete, Assess automatically scores the test and prepares a printed performance report. Data on individuals can also be combined to generate a class report. Practice levels and further instruction levels are suggested by the program.

The program package consists of one program disk, one data disk, and assessments; users may format their own data disks to record additional assessments.

Product Name: Assessment of Intelligibility of Dysarthric Speech

Vendor: Pro-Ed

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $149.00

Assessment of Intelligibility of Dysarthric Speech is a tool for quantifying single-word intelligibility, sentence intelligibility, and speaking rate of adult and adolescent dysarthric speakers. The software automatically and randomly selects 50 words and 20 sentences from hundreds of stimuli contained in the program. All data is automatically stored and scored.

The program includes a manual for administration and interpretation of results, as well as discussion of the theoretical and research bases for the test. An Apple with 48K of memory is required to run the program.

Product Name: Augmentative Communication Evaluation System (ACES)

Vendor: Words+, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $3,500.00 - $9,995.00

The Augmentative Communication Evaluation System (ACES) is software for client evaluation before prescription of augmentative communication devices. ACES is designed to guide the clinician through the evaluation process, assisting by automatically recording information and building a client database. Once testing is complete, ACES generates a printed report including a cover letter, evaluation summary, a generic device recommendation (type of device, not a specific manufacturer), and hard copy of the nearly 900 data items tracked per client. A device simulation section provides the ability to test and train the client with most access methods (except eye gaze) and language strategies currently being used.

The ACES software, with switch adapter and keyboard interface, is available for $3,500.00. Contact manufacturer for information about a complete workstation available for $9,995.00 and other customized packages.

Product Name: CARA (Computer Assisted Reading Assessment)

Vendor: Southern Micro Systems

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $149.00

CARA is a tool for reading assessment. It is not a test, and is not tied to any specific test or set of tests. The teacher gathers information about the student, including any test results, samples of daily work, personal data, etc. The validity of the information used is assumed. No minimum amount of information is required. Drawing on the information provided, the program analyzes the data to provide defensible judgements and conclusions. CARA can be used with students grades one through twelve. The reading assessment results can be printed out.

Product Name: Catch the Cow

Vendor: Computerade Products

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $13.00

Catch the Cow is a scanning training program for single or dual switch training. The program presents an array of boxes, one of which contains a graphic cow, and the user must press a switch when an arrow scans to the box with the cow. The program progresses to more difficult arrays if the user successfully selects three displays. The arrays increase in difficulty by number of squares to scan, with four levels of 2, 4, 12 (4 x 3 matrix), and 36 (6 x 6 matrix). Users must press the switch twice to select correct box in matrix arrays. Scan speed and type of scanning (automatic or manual) are user-adjustable.

Program requires an Apple II series computer that has at least 64K of memory and some type of adaptive switch control suitable for an Apple. The program can use single switch control, or manual dual switch, where one switch moves the pointer and one switch selects the item.

Product Name: Compute-A-Match

Vendor: Pesco International

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $19,995.00

Compute-A-Match is a vocational assessment package that automatically scores and matches clients to the D.O.T. used to administer vocational aptitude tests. These tests cover physical ability (Eye-Hand-Foot, Motor Coordination, Finger Dexterity, Manual Dexterity, Color Discrimination), cognitive ability (Clerical Aptitude, Form Perception Aptitude, Spatial Aptitude, Cognitive and Conceptual Abilities), and vocational factors (Vocational Aptitude, Vocational Interest, Assessment of Work Attitudes, and Temperament Factor Assessment). After these tests are scored, the software modules may be used to match the evaluees to job descriptions, job training programs, and potential local employers.

Price includes computer, card reader, monitor, and printer software. Most software modules of Compute-A-Match are available individually or in packages. Contact manufacturer for prices. Materials are available in large print, braille, and other variations.

Product Name: CSL (Computerized Speech Lab) Model 4300

Vendor: Kay Elemetrics Corporation

Computer: IBM PC AT

Manual Form: Printed Manual

Cost: $5,950.00

CSL (Computerized Speech Lab) is a computer-based system for recording, analyzing, and playing back speech patterns. The system features customizable pull-down menus, two input channels, digital input and output filters, and a 40 MHz digital signal processor. Spectrograms, formant trace, pitch extractions, power spectrum analysis, selective filtering, LPC analysis, and additional analysis functions may be performed. CSL can interface to and exchange files with other programs; contact manufacturer for details. Other features include file management, graphics and numerical display, audio output, and signal editing.

An IBM PC-AT computer is required to run CSL.

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Product Name: Developmental Profile II (DP-II)
Vendor: Western Psychological Services
Computer: IBM PC Family, IBM PS/2 Family
Manual Form: Printed Manual
Cost: $185.00

Developmental Profile II (DP-II) is a software program used to assess a child's development from birth to 9.5 years of age. The program is a revision of the Alpern-Boll Developmental Profile and consists of 186 "yes-no" items. Five areas are assessed according to age norms: physical age, self-help age, social age, academic age, and communication age. Scale scores are expressed in total number of months. A computer-guided branching identifies basal and ceiling levels, eliminating the need to administer all test items. Each disk is good for 25 uses, after which a new disk must be purchased.

An IBM PC or PS/2 computer with 512K of memory and 1MB of hard disk space is required. The program is available on either a 5.25" or 3.5" disk. Contact manufacturer for price information for multiple copies of the program.

Product Name: DPS:BCP
Vendor: VORT Corporation
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $370.00

DPS:BCP is a software database version of the BCP (Behavioral Characteristics Progression) system developed by the Santa Cruz County Office of Education. The routines in the BCP help with assessment, objective setting, and instruction. This computerized version contains the behaviors and methods from 55 BCP goal areas, and permits data entry and progress tracking.

Contact the manufacturer for more information on the uses of the BCP system.

Product Name: Embedded Figures Test

Vendor: OT's Computer

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $20.00

The Em' edded Figures Test for the Apple II series of computers enables this test of visual/perceptual processing to be administered and scored by computer. Four simple shapes and a series of 32 complex shapes are presented; the computer scores the test on the basis of the time lapse between presentation of the complex shape and discovery of an embedded simple shape. Printed reports can be generated to help in detection of perceptual deficits. Purchase of the disk entitles the user to make multiple copies for use on all machines at a single facility.

Product Name: Evaluate

Vendor: Kinetic Designs, Inc.

Computer: Atari ST Family, Commodore Amiga, Datavue Spark, Grid, IBM PC Family, IBM PS/2 Family, NEC (some or all models), Toshiba Laptops

Manual Form: Electronic Manual

Cost: Sold bundled only

Evaluate is a program designed for storing and analyzing information about a person's ability to manipulate a keyboard. Raw data may be saved to individual files, appended to existing files for cumulative analysis, viewed on the screen, or printed. Data is obtained by running a number of recorded test sequences (number is user-specifiable). The program will produce statistical data on debounce, typematic, and reaction times for all keys. It will also provide statistical data on fundamental keyboard time for each of the ten keys in the test sequence, which represent typical usage requirements.

Evaluate is free with the purchase of Filch (see entry). Evaluate is designed to help decide how to use a keyboard redefinition program such as Filch, or how to make other equipment selections.

Product Name: Game Power for Phonics, Plus

Vendor: Spin-A-Test Publishing Company

Computer: Apple II Family, Commodore 64, IBM PC Family, IBM PC jr, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $55.00

Game Power for Phonics, Plus is a program designed to combine diagnoses of speech and reading impairments with appropriate remedial games. The program includes 242 structural and phonetic parts of words. Each game format focuses on a single skill and uses eight words that have the word part being drilled. Optional sets of words may be placed into game formats. 1,936 words of varying difficulty are included as a vocabulary.

Game Power is applicable to all grade levels. A speaking person is needed to administer the program.

Product Name: Job Search and Local Job Bank

Vendor: Conover Company

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $70.00 - $295.00

The Job Search program ($295.00) consists of 1,864 job titles and the following data for each: physical demands, working conditions, general educational development, specific vocational preparation, aptitudes, interests, and temperaments. A job search is based on the participant's interest, ability and on the basis of current academic level of functioning. The vocational counselor can increase the GED level (General Educational Development) by one or more levels in order to complete a job search which is slightly above the client's current academic level of functioning.

The Local Job Bank ($70.00) is a data-based management program designed to store information on employers in a geographical area. The program ties into the Job Search program, providing a way of making the results of the Job Search useful. The user must enter data on local employers.

Product Name: KEY Method Worker Rehabilitation System

Vendor: KEY Functional Assessments, Inc.

Computer: IBM PC Family

Manual Form:

Cost: $14,000.00-$29,000.00

Key Method System is a set of programs which analyze the results of upper extremity assessments. The software has several standardized analyses including Whole Body Assessment/Back, Whole Body Assessment/Upper Extremity, Special Purpose Assessment, Job Placement Assessment, Cardiac Assessment, and Job/Site Task Analysis. A therapist uses the programs to analyze assessment results, create treatment approaches, and generate assessment reports. The system includes a 40,000 case statistical database to serve as a reference and indexing tool. Assessment reports for each client include a cover letter with recommendations, graphics, Executive Overview, and a four-page narrative with assessment results data.

KEY Method Software is one part of a larger assessment equipment package; the software must be used with KEY Method equipment. Training sessions are part of the equipment package. Price varies depending upon equipment purchase. Contact manufacturer for additional information.

Product Name: Microcomputer Evaluation of Career Areas (MECA)

Vendor: Conover Company

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $250.00 - $825.00

MECA is a series of vocational assessment packages with "hands-on" simulation of tasks within a trade area. Each package contains three Work Samples and a Learning Activity Packet (LAP). The Work Samples break down job-related tasks into steps, which are presented with graphics and written instructions at the bottom of the computer screen. The LAP presents basic academic skills activities relevant to the career area covered.

Software and training manuals are sold separately for all MECA kits for $250.00 per kit. MECA kits are also sold with necessary hardware and supplies to complete tasks in training packages. These range from $425.00 - $825.00 including: automotive, building maintenance, graphic design, cosmetology, custodial housekeeping, electronics, small engines, food service, business and office, health care, manufacturing, construction, distribution, horticulture, and computers. System can be used with optional color monitor, or cassette player and cassette control device (CCD) for audio screen information for low or non readers. Apple II versions require 64K of memory and IBM versions require 256K.

Product Name: OT FACT

Vendor: American Occupational Therapy Association (AOTA)

Computer: Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $239.00 - $3,500.00

OT FACT (Occupational Therapy Functional Assessment Compilation Tool) is a software program for collecting, integrating, and reporting functional assessment data in occupational therapy. The program includes about 300 core questions and about 700 additional questions. The software eliminates questions based on responses to other questions, so not all categories are scored for all assessments. Responses to the questions indicate no deficit, partial deficit, total deficit, not applicable, and not examined. After all relevant functional categories are scored, they are totalled, percentages are calculated, summary statistics are generated, and graphs are plotted. The information can then be used to compare different administrations of the system for initial progress, discharge notes, etc. Information is presented in both tabular and graphic form. Version 2.0 has enhanced reporting and graphing tools.

OT FACT does not provide a set protocol for acquiring data. Data are collected first-hand using a variety of evaluation instruments and direct observation. The results are used to complete the OT FACT assessment. OT FACT is available for MS-DOS, Microsoft Windows and Macintosh.

Product Name: Process Analysis Version 2.0

Vendor: Parrot Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $99.50

This program is designed to analyze phonetic responses to 59 stimuli, 14 of which contain initial clusters. After phonetic responses to the 59 stimuli are entered, the program does four different analyses. These are: initial position processes, final position processes, initial position phonetic inventory, and final position phonetic inventory. The keyboard has been modified by the software to show phonetic characters on the screen for data entry. Up to 12 speech samples may be stored on the disk and analyzed at any time. Results may be displayed on the screen or printed.

Product Name: Proportional Simulations Disk

Vendor: DU-IT Control Systems Group, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $30.00

Proportional Simulations Disk is a collection of computer programs intended to provide simulations of features and techniques used in proportional control devices manufactured by DU-IT. Simulated activities include proportional joystick operation of an electric wheelchair, typing into a computer, control of an environmental control system, and various games to simulate other activities. Additional functions are being planned for addition to future editions of the disk.

Proportional Simulations Disk is intended to be an experiential and evaluative tool to aid in the understanding of the operation of joysticks and other input devices; it cannot be used to control actual devices. A joystick or DU-IT proportional input with DA-II interface (extra) is required to use all aspects of the program.

Product Name: Prosody - Voice Screening Profile Software

Vendor: Communication Skill Builders

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form:

Cost: $69.00

Prosody--Voice Screening Profile Software is a computer program designed to be used in vocal assessment. Prosody-voice variables are assessed in six domains: phrasing, rate, stress, loudness, pitch, and quality. The software indicates when sufficient data on number and type of utterances has been accumulated. A list of codes used in scoring is also included.

An Apple IIe, IIc, or IIGS computer with 128K of memory is required. Contact manufacturer for further information.

Product Name: Randt Memory Test

Vendor: Life Science Associates

Computer: Apple II+, Apple IIe, IBM PC Family

Manual Form:

Cost: $40.00 - $115.00

The Randt Memory Test evaluates mild to moderate memory loss. The test consists of modules which evaluate primary, rote, associative, discourse, and incidental memory functions. A picture recognition and recall paradigm and general information section are also part of the test. The test takes 20-25 minutes to administer.

The Randt test must be administered by a human examiner and is not computerized ($75.00). There is an optional computer program which trains the examiner in administering and scoring the test ($40.00). The computer program also can be used to save patient test score data as a file which can be accessed at any time.

Product Name: Say & See

Vendor: Interactive Learning Materials

Computer: Apple Macintosh SE/II

Manual Form:

Cost: $3,500.00

Say & See is speech therapy software which digitizes speech and from it creates an animated display of the client's vocal tract movement. As the client speaks into a microphone the program records the sounds and will play them back with accompanying visual display. The playback can be stopped and started by using the mouse button; playback can also be seen and heard in four different speeds. A split-screen function allows the therapist to view the client's speech side by side with examples from the program's phoneme library. Each client's progress can be saved and both sound and graphics added to a complete record. Vocal tract displays and spectrogram images can be printed out.

Say & See is compatible with Macintosh SE and II series computers. The package includes software, speech digitizer, microphone, and documentation.

Product Name: Sensimetrics SpeechStation

Vendor: Ariel Corporation

Computer: IBM-PC XT, IBM PC AT

Manual Form:

Cost: $3,995.00

The SpeechStation is a computer-based speech analysis system. Spectrograms can be displayed and printed out singly or side by side for comparison. While a spectrogram is on the screen a spectrum, aligned waveform envelope, and enlarged waveform are always visible; the mouse is used to display these elements at any place on the spectrogram display. In addition to displays and measurements, the system has animation, orthography, and FFT or LPC spectral comparison capabilities.

The SpeechStation is compatible with IBM AT and XT computers. The system includes software, circuit card, and documentation.

Product Name: Serial Recall: Assessment

Vendor: University of Michigan Software

Computer: IBM PC AT, IBM PC jr, IBM PS/2 Family

Manual Form:

Cost: $300.00

Serial Recall is a software computer program which tests short-term memory capabilities. The program uses visual and/or auditory stimuli during testing and can be applied in both research and clinical assessment situations. Serial Recall has administrative functions built in which analyze and display test results; the program can also determine the appropriate test lengths for individuals and randomize the test components.

The program requires 512K memory and runs on DOS 3.3 or higher. A speech adaptor and speaker (extra) are required for auditory presentation.

Product Name: Single Switch Assessment Program for IBM

Vendor: ComputAbility Corporation

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $129.95

Single Switch Assessment Program for IBM is designed to provide the clinician with data on what sort of single switch should be implemented for a particular individual, and where the switch should be placed. Single Switch Assessment Program is not a speed test, but a tool for finding the mean "normal response" time of an individual using various switches and switch placements. All data may be stored on disk and/or printed out for comparison and assessment. Choice of stimulus, auditory feedback control, and color assessment graphs are included features.

A single switch, plugged into the game port, is required.

Product Name: Test of Language Development-2 (TOLD-2)

Vendor: Pro-Ed

Computer: Apple II+, Apple IIe, IBM PC Family

Manual Form:

Cost: $79.00

Test of Language Development-2 (TOLD-2) is a pair of software programs for scoring the TOLD-2 test for identifying existence and type of language disability. Each program generates a 4-page report which contains: background information; scores, percentiles, and descriptors for each subtest; composites and quotients; profiles; intraindividual comparisons; and significance testing. TOLD-2 Primary is for use with children ages 4 years 0 months to 8 years 11 months; TOLD-2 Intermediate is for use with children ages 8 years 6 months to 12 years 11 months.

Product Name: Touch Com

Vendor: Don Johnston Developmental Equipment

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $128.00

Touch Com is an authoring program designed to assess and train an individual who will be using an electronic communication device with voice output. Touch Com uses the PowerPad (see entry) as a selection panel. The symbols placed on the PowerPad are user definable, as are the corresponding phrases spoken. Spoken phrases and their corresponding locations on the PowerPad may be stored on disk. Multiple overlays and phrases may be constructed. Three font sizes are available for text display. The last entry or the entire message may be repeated on the screen, and the last character or word entered may be deleted. A print option is also available.

A PowerPad and an Echo II voice synthesizer are required to operate Touch Com.

Product Name: Visagraph Eye-Movement Recording System

Vendor: Instructional/Communications Technology, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $1,800.00

The Visagraph Eye-Movement Recording System records eye movements during reading and provides analysis of reading performance via a viewer which interfaces with the Apple II+, Apple IIe, and Apple IIGS computers. Student's eye movements are sampled 50 times per second. Results are then presented in graph form or as calculations of reading performance efficiency (number of fixations and regressions, average span of recognition, average duration of fixation, reading rate with comprehension, etc.). The graph can be displayed on the monitor or printed out. A simulation of the reader's visual performance can also be displayed on the monitor.

Cost includes both software and interface board for the Apple II series.

Product Name: Visual/Perceptual Diagnostic Testing & Training Progs.

Vendor: ComputAbility Corporation

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $650.00

This is an eight-program, 14 disk integrated software package designed to aid in the diagnosis and treatment of visual/perceptual dysfunction. Responses are made directly on the screen using the Touch Window; six of the programs may also operated by a single switch. When switch input is selected, the programs utilize simple scanning routines with switch or space bar. All eight programs are on one disk, accessed through menus; other disks include backup disks, screen disks, and a template disk. Programs include: Visual Field, Figure Ground, Visual Discrimination, Dot Patterns, Maze Test, Visual Memory, Visual Scanning 1, and Visual Scanning 2.

Using the Template disk and the program Blazing Paddles (extra; see entry), a teacher or therapist can create graphics to run with the programs. In addition to on-screen results, all of the programs have the option of printing out the statistical summaries generated. TouchWindow is required for use.

Chapter 20

Education, Training, and Therapy Software

This chapter includes application software and software/hardware packages whose primary function is to educate, train, or facilitate therapy. The chapter incorporates a wide variety of software, including software for augmentative communication training, software for remediation of speech impairments, software for cognitive rehabilitation, and remedial curricular software designed specifically for learners with disabilities.

There is a large amount of curricular skill software that was not designed for disabled students but which has features that make it potentially useful to these students. There is simply too much of this type of software for us to list it here. If you want to know more about how to creatively apply "regular" education software in special education settings, consult the list of Software Resources in Appendix B.

The products in this chapter are cross-listed by a number of functions in Index 1. If there is a testing component in a software program, it will be cross referenced under Assessment (AS). In addition, many programs in this section that do not have an evaluative component can often be used creatively for assessment purposes. Other relevant function codes include: Math and Calculation (CN), Keyboarding Training (KB), Language Therapy and Development (LT), Speech Therapy (ST), Signing (SI) and Cognitive Rehabilitation (CR). The only distinction that is made with regard to curricular level is a division between Early Skills (ES), which are prereading, and Later Skills (LS), which involve some reading.

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Academics with Scanning: Math, *549*
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Product Name: Academics with Scanning: Language Arts

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $25.00

Academics with Scanning: Language Arts is a writing aid program designed to help the disabled student do schoolwork. Programs include "Word Attack," "Crossword," and "Phonics Machine." A teacher must type in word lists, crossword shapes, or phonics worksheets from the student's own materials. The student then uses one switch ("Word Attack") or two switches ("Crossword," "Phonics Machine") to complete work on the screen or to produce printed output. Sample word lists are included.

Two switches must be substituted for or wired in parallel with the Apple game buttons through the game I/O port. A printer is recommended but not required.

Product Name: Academics with Scanning: Math

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $25.00

Academics with Scanning: Math is an electronic math worksheet program for the physically disabled student. Problem sets or worksheets are typed in by a teacher, and the student uses one or two switches to solve problems and produce output to the screen or printer. Programs include "Addition with Carrying," "Subtraction with Borrowing," "Multiple Digit Multiplication," "Long Division," "Constructive Geometry," "Fractions," and "Story Problems." Academics with Scanning: Math is suitable for grades 3 through 7.

One or two microswitches must be substituted for or wired in parallel with the Apple game buttons through the game I/O port. A printer is not required, but is recommended.

Product Name: Access to Math

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $65.00 - $125.00

Access to Math is a software program that permits teachers or clinicians to create addition, subtraction, multiplication, and division problems for individual students, and to save these problems to disk. The program has features such as carry, borrow, and finger count that allow users to see both the work in progress and the steps used to complete the problems. The "finger count" command permits students to put lines on the screen and count each individual line. The "carry" and "borrow" commands place boxes on the screen which indicate the next steps in solving the problem and the correct positioning of the numbers in the problems.

The prices are $125.00 for the teacher edition (includes one workbook disk and one student disk), and $65.00 for the student edition (includes five disks; must be used with the teacher edition).

Product Name: Action/Music Play

Vendor: PEAL Software

Computer: Apple II Family

Manual Form:

Cost: $150.00

Action/Music Play is a software program series to develop beginning language skills in toddlers and pre-school children. It also introduces any child developmentally 14 months to 5 years of age to computer use. The program has two main sets of activities which focus upon ideas of action and music. Both sets of activities are visual and auditory, the computer "talks" about actions and "plays" music.

Action/Music Play has optional Braille labeling. The software for this program is one floppy disk which comes with two plastic overlays which fit onto Muppet Learning Keys (extra; see entry), three frames, and laminated instruction cards.

Product Name: Active Therapy System (ACTS)

Vendor: Handicapped Children's Technological Services, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $629.95

Active Therapy System (ACTS) is a software and hardware package for training and tracking switch operation. Up to eight switches can be connected to a special switch interface. These switches can control up to twelve devices (reinforcers): eight battery-powered devices and four 120 volt electrical appliances. The ACTS software controls how the switches function and collects data on switch activations. A "timed" mode allows the user to control how long a reinforcer is turned on for a given switch activation (from one second to 24 hours). "Preset response duration" control determines how long a switch must be activated before the reinforcer will turn on. "Latch mode" allows the device to be turned on with one switch activation, and off with the next switch activation. Through the ACTS software, each of these parameters can be set individually for each switch. Data collected includes: number of switch closures over time, total time of switch closure, number of times the reinforcer was turned on, and total reinforcement time. Data may be saved to disk and plotted graphically over time.

Switches and reinforcement devices are extra.

Product Name: Adult Switch Progressions

Vendor: R.J. Cooper & Associates

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $75.00

Adult Switch Progressions is a computer program that contains four simulation activities that are designed for people making the transition from randomly activating a single switch to activating a switch with specific timing, relative to real-life tasks appropriate for adults. The skills taught include cause/effect and attending to extended tasks (levels 0 and 1), following directions (level 2), and responding to visual/auditory computer information (levels 3 and 4). Each activity can be selected at any of the three levels. Other adjustable parameters are reaction speed, penalty (for inattention or inappropriate activation), length of reinforcement, reinforcement upon switch hit or release, and auditory feedback.

An Apple II with 128K of memory, a single switch or TouchWindow (see entry), and a switch interface or Adaptive Firmware Card (see entry) are required to run Adult Switch Progressions. Recommended peripherals are a color monitor and an Echo speech synthesizer (see entry). The software is distributed as shareware; after 10 free uses, the user must arrange payment and obtain a password from the manufacturer to continue using the program.

Product Name: Adventures of Jimmy Jumper - Prepositions

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $29.95

The Adventures of Jimmy Jumper - Prepositions is a story presentation program which emphasizes prepositional concepts. The story of a young rabbit, Jimmy Jumper, is presented with synthesized speech and graphics, which illustrate prepositions such as on, over, under, beside, and between. The child uses a game paddle, adaptive switch, or the space bar to either make the rabbit move in the manner specified by the preposition or advance the story screen by screen.

Use of an Echo II speech synthesizer is optional.

Product Name: AFC: Literacy Setups (C32)

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS

Manual Form:

Cost: $105.00

AFC: Literacy Setups are a set of more than 100 ready-to-use setups for early literacy software programs that utilize the Adaptive Firmware Card. The collection of setups is designed to provide new ideas for using software such as Face Maker, Print Shop, and Paint with Words (extra). The setups support a variety of input methods including scanning, Morse code, alternative keyboards, and TouchWindow. Each setup comes with a planning card which notes the literacy level and input method for that activity. Paper overlays for Key Largo, IntelliKeys, and the TouchWindow are included.

AFC: Literacy Setups requires the Adaptive Firmware Card Model G32/G32e (see entry). TouchWindow setups require AFC Access: TouchWindow (extra).

Product Name: Anivox Computer Speech System

Vendor: Animated Voice Corporation

Computer: IBM PC Family, IBM PS/2 Models 25/30

Manual Form: Printed Manual

Cost: $795.00 - $1,995.00

Anivox Computer Speech Systems are combined hardware and software voice input/output packages designed to enhance speech communication skills and understanding. Both systems include Special Affects, a collection of twelve speech and hearing modules that convert voice into animated graphics for user matching and quantitative assessment; language-oriented applications for improving communication skills, comprehension, and reading ability; and authoring tools that provide voice digitizing and compression with variable pitch, inflection, pitch limits, timbre, and mood for combining speech and text.

The Anivox Personal System has a voice I/O card, a hand-held microphone/speaker, Special Affects, the language-oriented software Ramble and Talk, the authoring tool Camera, Turbo-Snail, and a vocabulary library. The Personal System costs $795.00. The Anivox Professional System has a voice I/O card, a speaker console, a studio-quality microphone, headphones, and the software listed for the Personal System plus Tickle, Words, Vocab, Sentence, and Utilities. The Professional System costs $1,995.00.

Product Name: Antonyms and Synonyms

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $99.50

Antonyms and Synonyms is a software program that includes twenty lessons for vocabulary development. Two types of lessons are included. The first type uses words to teach opposites and similarities; the user must select the opposite of a target word from a list of words, and then select the synonym of the target word from the same list. In the second type, users are asked to indicate whether two target words are antonyms or synonyms.

Ten lessons of each type are included. Progress for each user is stored for later retrieval. Lessons may also be printed. Specify type of computer and disk size (5.25" or 3.5") when ordering.

Product Name: APH/SEI Talking Software

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Braille/Tactile Manual, Large Print Manual

Cost: $38.38 each

APH/SEI Talking Software is an adaptation of 33 tests from Sliwa Enterprises, Inc.'s educational software series for high school and college students and adults. Adjustable speech synthesis software is incorporated into each disk. At any point, the student may obtain information on scores, review question and answer choices, and alter the speech output. All information is provided in spoken form.

Titles available (on 5.25" disks) are: Afro-American Literature, American History 1 through 4, American Poetry, Ancient Civilizations, Asian/African History, Dickens, Early American Literature, European History 1 and 2, Fantasy, Foreign Governments and the United Nations, High School Literature 1 through 3, History of Space Flight, Modern British Literature, Mystery, Mythology, Edgar Allan Poe, Science Fiction, Sentence Completion, Shakespeare 1 and 2, Short Story, Steinbeck/Faulkner/Hemingway, Mark Twain, U.S. Government, Vocabulary Builder, Women Authors, and Word Analogy. An appropriate Echo speech synthesizer (see entries) is required.

Product Name: Aphasia Series: I through VIII

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $99.50 each

These programs are designed for people with aphasia and others with reading and comprehension problems, and operate with a single switch or space bar. In Aphasia I (Noun Association) and Aphasia II (Opposites-Similarities) the client must match a word to an appropriate one from ten words on the screen. Aphasia III (Categories) operates in the same way, except that the clinician can control the time necessary for a response (from 3 to 30 seconds). Aphasia IV (Reading Comprehension) contains ten stories with adult themes, with literal and inferential levels. A reading cursor can highlight one line of the story at a time to help people with visual problems. Aphasia V (Sentence Completion) presents choices of words to fill in a sentence blank, choices that are semantically or visually similar, or not similar. Aphasia VI (Definitions) is identical except that three definitions are presented as options for a word; foreign language or user-defined definitions are possible. Aphasia VII (Picture Identification) flashes pictures and asks user to spell the name of the object, highlighting incorrect letters. Aphasia VIII (Picture Naming) displays a picture and the user chooses the correct name from three options.

Product Name: Apple Demo Disk

Vendor: Zygo Industries, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $90.00

Apple Demo Disk is a program that demonstrates various alternate modes of computer operation used by disabled people. Input methods demonstrated include direct selection using the keyboard, and scanning using one switch, two switches, and the keyboard. Output modes demonstrated include printed text, synthesized speech, sound, and graphics (large print, Bliss symbols, etc.). The same programs designed for demonstrating the use of these systems to non-users may also be used to assess which methods work best for a client.

Various peripheral devices (switches, speech synthesizer, etc.) are required to run this demonstration program (extra).

Product Name: Apple Programs for the Handicapped

Vendor: Computer Foundation for Handicapped Children

Computer: Apple II Family

Manual Form:

Cost: $2.50 per disk side

Apple Programs for the Handicapped is a collection of about 100 programs. Most of these programs are educational or switch training programs. Each double-sided disk of programs is $5.00.

The company also offers a free sampler disk of 12 programs. Contact them for further information.

Product Name: Arithmetic 1, 2, and 3 with Speech

Vendor: Life Science Associates

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $60.00 - $175.00

These programs provide drill and practice on the four arithmetic operations and practice in solving simple word problems. Because they were written specifically for use with the ECHO II, there is correct pronunciation of mathematical symbols and two digit numbers. The teacher or student can set the level of difficulty of the problems, the score is given at the end of each program, and automatic record-keeping capabilities are included. All three programs include an introduction to the keyboard. Arithmetic 1 covers addition, subtraction, multiplication and division of whole numbers, and word problems ($75.00). Arithmetic 2 covers mixed operations, two-step problems, and problems with missing elements ($75.00). Arithmetic 3 contains timed drills on addition, subtraction, multiplication, division and mixed operations using whole numbers. A timed game for two players is included ($60.00). The entire set of programs is $175.00.

Product Name: Association Pictures

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form:

Cost: $99.50

Association Pictures is a two-level program for cognitive training based on the use of pictures. The first level is a picture identification task requiring users to correctly match a picture with a prompt (e.g., "Find the lamb"). The second level is an association task. At this level, users must correctly determine which picture displayed on the screen can be associated with a prompt (e.g., "What goes with key?"). Responses are made by pressing the space bar and return key. The program stores performance data and prints progress reports to the screen or to a printer.

Product Name: Audio Braille - Six Keys

Vendor: Rossi, Pete

Computer: Apple IIe

Manual Form:

Cost: $40.00 each

Audio Braille - Six Keys is a series of braille tutorial programs designed for use by sighted and visually impaired students. These programs use six of the keys on the Apple IIe computer keyboard to emulate a Braille writer. Instructions and feedback are given by a speech synthesizer. There are ten programs, including Contractions for Grades Two and Three, The Nemeth Code, and Pot Luck for Experts. For each correct response users hear their name and are given one of many positive reinforcers. For incorrect responses the users are given the correct answer. Scores are kept for the number correct. Help and correction features are provided.

An Echo speech synthesizer (Street Electronics) is required in order to use Audio Braille - Six Keys.

Product Name: Audio Braille Game Tutorial

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple II+, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $40.00

Audio Braille Game Tutorial is a braille training program to help teach braille contractions. The program includes seven games to practice the following contractions: short form words, one cell upper signs, lower whole word signs, two cell initial letter signs, upper whole word signs, and one cell lower signs. Stimuli can be presented either alphabetically or in random order.

System requires an Echo + or Echo II speech synthesizer for voice output capabilities.

Product Name: Auditory Skills Package

Vendor: Psychological Software Services, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe, Atari 800

Manual Form: Electronic Manual, Printed Manual

Cost: $50.00

Auditory Skills Package is a set of programs designed to help remediate auditory discrimination problems. Auditory Discrimination I requires the user to match a fixed tone to one that can be varied in pitch by moving a joystick. Each tone corresponds to a vertical line on the computer screen. The user can either verify that the tones are matched by seeing if the lines line up or do the exercise with eyes closed. Auditory Discrimination II is the same, but only one tone can be heard at a time. The fixed (target) tone can be heard at any time by pressing a button. Auditory Discrimination III presents a series of tones for the user to match. Successful matching results in an increase in the number of tones presented. Auditory Perception Test presents 120 series of tones, and each tone is to be compared to a target and classified as "higher," "lower," or "same." Response is made using a joystick.

Auditory Skills Package is not considered to be a treatment package for aphasia, but is designed for remediating tonal discrimination difficulties.

Product Name: Babysitting Basics

Vendor: MCE

Computer: Apple II Family

Manual Form:

Cost: $59.95 - $89.95

Babysitting Basics is a computer software program designed to help the user understand the responsibilites of child care. The program uses interactive activities to discuss how a sitter should respond in an emergency, decide when to contact parents, know what information to get from parents before they leave, and other issues important to preparing for sitting jobs. The program is written for a 3rd-4th grade reading level and an 6th grade-adult interest level.

One copy may be purchased for $59.95 or a five pack for $89.95.

Product Name: Bear Jam

Vendor: Dunamis, Inc.

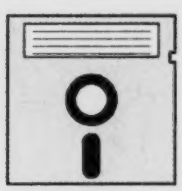
Computer: Apple II Family, Atari 400, Atari 800, Commodore 128, Commodore 64

Manual Form: Printed Manual

Cost: $59.95

Bear Jam is an educational pre-reading program which provides practice in basic visual skills involved in later learning, including observing similarities, recognizing differences, and distinguishing patterns. The program includes six games with different user-specifiable levels of difficulty, to train familiarity with shapes and colors. The program requires a PowerPad (see entry) and has animation, music, and color reinforcement for correct answers.

Included with the program is a supplementary guide, "Bear Jam for Exceptional Children" by Dolores Hagen, which presents 16 Bear Jam activities designed for children with disabilities.



Product Name: BEST Faces

Vendor: BEST, Inc.

Computer: IBM PC Family

Manual Form:

Cost: $70.00

BEST Faces is a program designed to assess and teach perceptual and cognitive skills of developmentally impaired children who function at a 3-5 year old cognitive level. The program contains four games designed to test and teach basic skills in a sequential manner, starting from the basic skills of cause and effect and moving to more advanced skills of matching, discriminating, associating and memorizing. The activities revolve around the features of a face. The teacher can customize the program by adjusting variables such as: game type, facial features, number of features, response time, visual and auditory instruction and the overlays. The program automatically tracks the number of correct and incorrect responses, the response time, and the overall time the learner is attending to the task.

Input to BEST Faces can be made with the BEST Switch Interface, PowerPad, Concept Keyboard or Unicorn Keyboard.

Product Name: Big Letters

Vendor: Easter Seals and Lehigh Valley Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form:

Cost: $2.00 + one blank disk

Big Letters is a software program designed to introduce preschool children to word processing concepts. Letters appear on the screen in large print. The user is given auditory feedback whenever a key is pressed. The program deactivates the "key repeat" feature, so that only one letter appears on the screen regardless of how long a key is held down. Text may be printed out.

If an Echo speech synthesizer from Street Electronics (extra; see entries) is used, words and phrases will be spoken after they are typed.

Product Name: Big/Little I and II

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00 each

Big/Little I and II are single-switch scanning programs for 1 to 4 players. The scanning speed can be adjusted. Players' names may be entered. The programs use a little bear to scan between big and little items. Big/Little I and II can be configured by the teacher or clinician to show a variety of different sizes.

An Echo speech synthesizer, color monitor, and single switch are required. For Macintosh use, a Apple IIe emulation card is also required.

Product Name: Blazing Paddles

Vendor: Baudville

Computer: Apple II Family, Atari Family, Commodore 64

Manual Form: Printed Manual

Cost: $34.95

Blazing Paddles is a graphics program that allows color graphics to be created using a variety of input devices. The user can paint with a variety of strokes, and add geometric shapes and text. Color mixing makes possible over 200 textured hues. A Zoom feature allows pixel editing. A window feature allows sections of the screen to be moved or duplicated.

A variety of shapes and text fonts are provided, and more are also available at extra cost. Compatible input devices include Koala Pad, Apple Graphics Tablet, Apple Mouse, Tech Sketch Light Pen, and any joystick or similar paddle port device. Contact the manufacturer about printer compatibility.

Product Name: Blueprint for Decision Making

Vendor: MCE

Computer: Apple II Family

Manual Form:

Cost: $69.95 - $89.95

Blueprint for Decision Making is a software program which gives students practice in making decisions. The program user sees examples of problems involving parents and peers, then the user poses a personal situation to be resolved. To resolve the situation, the student must explain who has the problem, state the problem in a number of different ways, brainstorm for alternative solutions, and finally consider the consequences of each solution. When using a computer system with a printer, hard copy from the decision making activities can be obtained.

Blueprint for Decision Making is designed for junior high and high school age students; the program is written at a third grade reading level. The program may be purchased singly for $69.95 or in a five pack for $89.95.

Product Name: Body Builder

Vendor: Dunamis, Inc.

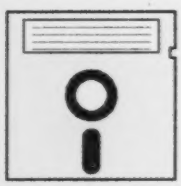
Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $29.95

Body Builder is a software program that permits users to "build a body" using the PowerPad. The head, torso, legs and feet of four different characters--ballerina, grandmother, weight lifter, and spaceman--are included. Pictures may be printed out with the name of the user.

Body Builder requires a PowerPad and an Echo II speech synthesizer.



Product Name: Bozons' Quest

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $65.00

Bozons' Quest is a computer game designed to teach cognitive strategies and left/right discrimination skills. A "Bozon" is moved left or right on the screen to search for "cosmic crystals" and points are accumulated while dangers are avoided. The computer says "right" or "left" with each move. A more advanced level uses an inverted game board, requiring movement decisions based on mirrored images. Bozons' Quest can be played using the keyboard, or a joystick, single switch, left/right rocker switch, or TouchWindow. If a single switch is used, the scan speed can be adjusted. The game may be played by one or two players; each player may use a different interface method.

The program requires an Apple II computer with 64K of memory, a monitor, an Echo speech synthesizer (extra; see entries), and a 5.25" disk drive. A color monitor is recommended.

Product Name: Brunswick Hospital Cognitive Assessment & Retraining

Vendor: ComputAbility Corporation

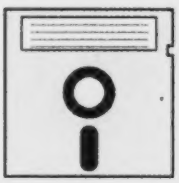
Computer: Apple II Family

Manual Form: Printed Manual

Cost: $175.00 - $200.00

Brunswick Hospital Cognitive Assessment and Training is a set of programs designed to assess and treat cognitive deficits. Two modules are currently available. Module 1, Attention/Selective Attention features exercises that measure the user's ability to attend to one, two or multiple stimuli over a four minute period. In training mode, the therapist can control the program, including stimulus size, display time, rate of presentation, length of each trial, type of stimulus (box or graphic), and visual feedback and auditory prompts. Module 2, Visual Discrimination/Memory, features six programs with gradually increasing levels of difficulty. Assessments can be done for geometric shapes, simple pictures, colors or letters. In the training mode the therapist can control several parameters and options. Both Modules provide exercises that can be operated with either the space bar or a single switch. Both provide "Patient Data Screens" that let the users of the program see their own progress. The therapist can also collect, print and store data.

Each module is $175.00. The two modules purchased together are $200.00.



Product Name: Buddy's Body

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Buddy's Body helps students learn to identify parts of the body. The program is divided into two levels: the face and the body. Animation sequences are used as Buddy introduces the features of his face and the parts of his body. The student is then asked to identify a particular part by touching that part on the surface of the PowerPad or IntelliKeys Keyboard. Correct responses are rewarded with a wiggle or a wave, and the speech synthesizer pronounces the name of that part of the body.

For Apple compatibility, the PowerPad, a speech synthesizer, and overlay are required; Macintosh users need the IntelliKeys Keyboard, speech synthesizer, overlay, color monitor, Apple IIe emulation card, and a 5.25" drive.

Product Name: Build-A-Scene

Vendor: R.J. Cooper & Associates

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form:

Cost: $75.00

Build-A-Scene is an adaptation of a software program from the Early and Advanced Switch Games disk from R.J. Cooper (see entry). The game involves building a color picture: each time a switch is hit, a new piece of the picture is added. Four pictures are included. If the program is used with an Echo speech synthesizer (recommended; see entry), words and sounds are produced along with the picture. Animated effects are also included.

An Apple IIe, IIc, or IIGS computer with 128K memory, and a single switch with a switch interface or Adaptive Firmware Card (see entry), or a TouchWindow (see entry) are required. A color monitor and an Echo speech synthesizer are recommended. Price includes shipping and handling. The software is distributed as shareware; after 10 free trial uses, the user must call the manufacturer to arrange payment and receive a password that enables continued use of the disk.

Product Name: Bunny Hop

Vendor: Hartley Courseware, Inc.

Computer: Apple II Family

Manual Form:

Cost: $49.95

Bunny Hop is a software program for Apple II computers that is designed to help students understand numbers. The program is specifically designed to address problems with reversal, e.g. confusion between 17 and 71. Six lessons of increasing difficulty teach the value of numbers up to 99. Bunny Hop also teaches the concept of place value. Record keeping capabilities are included.

An Echo or Ufonic speech synthesizer (extra) can be used to have the instructions and number names read aloud. A lab pack which includes five copies of the program is available for $79.95.

Product Name: CAFET for KIDS

Vendor: Cafet, Inc.

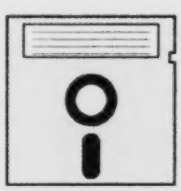
Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PS/2 Models 25/30

Manual Form:

Cost: $580.00

CAFET for KIDS is a software program that provides treatment for stuttering by using a series of games that provide biofeedback. The fluency targets (continuous airflow, prevoice exhalation, controlled expiration, slow segmentation, and continuous phonation) are taught through the use of video game graphics. The skill level of each game can be adjusted. The accompanying manual provides guidance in structuring individualized programs, as well as providing stimulus material and case histories. Session data may be collected on a separate patient diskette and printed out for analysis.

CAFET for KIDS is sold only to qualified speech pathologists who have been trained in the use of the adult version of the Computer-Aided Fluency Establishment Trainer (CAFET; see entry). The CAFET plug-in circuit board, respiratory sensor, and microphone included with the adult version of CAFET are required to run CAFET for KIDS. A color monitor is also required.



Product Name: CAMEO

Vendor: J.E. Stewart

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $17.00 per disk

CAMEO (Computer Assisted Management of Educational Objectives) is a set of educational software programs designed for users with mild and moderate disabilities. The set is a K-12 curriculum to help the user improve in different subjects. CAMEO has a total of 163 goals and 6,672 objectives which complement standard school curriculum areas. Titles include: language arts, dialy living and social, physical education, and mathematics.

CAMEO consists of ten disks which are each $17.00.

Product Name: Captain's Log: Cognitive Training System

Vendor: BrainTrain

Computer: Apple II+, Apple IIGS, Apple IIe, IBM PC Family, IBM PC jr, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $495.00 - $1,495.00

Captain's Log was designed to train basic cognitive functions including attention, concentration, memory, visual/motor, and reasoning skills. Captain's Log consists of 28 programs in four modules: attention skills, visual/motor skills, numeric concepts/memory skills and conceptual skills. It utilizes a mouse, trackball, special joystick system, or a Sip 'n' Puff Visual Control System to control the system. Program options include three levels of difficulty in the game-like skill training, assessment mode or training mode, time of the trial, and presence or absence of visual cues or prompts.

Captain's Log will run on the Apple IIe, IIGS, II+, IBM PC, XT, PCjr., PS/2, AT, or IBM PC compatibles. Requirements for the Apple system are a mouse, the Timemaster II Clockcard, a color monitor, and 64K of memory. IBM requirements are a mouse, an RGB color monitor, and 512K of memory. For IBM and compatible computers, the price for the system is $1,795.00; this includes 32 programs. For Apple II computers the price is $1,495.00 and includes 28 programs. Individual modules are available for $495.00 each. The Skipper's Club, a technical support service, is available for $199.00/three years.

Product Name: Career Planning System

Vendor: Conover Company

Computer: Apple II Family

Manual Form:

Cost: $495.00 - $1,495.00

The Career Planning System is an instructional software package which provides career information to students. The student may use the system to match interests and abilities with possible career opportunities. The program uses a "interest sort" function to give information about ten areas of interest. In each of the areas the student is given a brief description of the area, "meets" four representative workers, and can complete four interactive activities designed to simulate job tasks. The system also has a data management function which allows an instructor to keep a file for each student which contains data such as interest sort results, progress information, and reaction data.

The Career Planning System is compatible with Apple II+, IIe, and IIc computers. A long version, which includes all career disks, and a short verion, which has only select disks, are available. The long version includes 45 floppy disks, 12 student manuals, and an administration manual. The short version includes: 18 floppy disks, 6 student manuals, and an administration manual.

Product Name: Cause 'n Effect

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc

Manual Form:

Cost: $25.00

Cause 'n Effect is an educational software program designed to teach the basic principle of cause and effect to the student. The program includes four different activities in which the student must initiate, change, or stop some activity on the computer screen. Responses during the program can be made by pressing any key on the keyboard, a mouse button, any typical single switch device, or a TouchWindow.

Extra options available for this program include speech output on an Echo or Cricket speech synthesizer.

Product Name: CAV-ASL

Vendor: E & IS SignWare

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $695.00 - $995.00

CAV-ASL (Computerized Animated Vocabulary of American Sign Language) is a program that allows learners to practice receptive skills in ASL Sign Language. English words selected by the user from the 2,600 word vocabulary are translated into animated displays of the equivalent ASL sign. Signs on the computer screen are seen from the same perspective as viewing a human signer. Motion of the signs can be sped up, slowed down, or frozen. English captions can be turned on and off. A series of words selected from any of the 16 data diskettes can be stored on a work disk by the user and played back in sequence.

Talking versions are available for the Apple and Macintosh computers. A French version is available for the IBM computer. Two disk drives are required; a graphics adaptor is required for the IBM version. The cost is $695.00 for the complete silent package of 17 disks or $995.00 for the complete talking package. Contact manufacturer for the prices of individual disks.

Product Name: Children's Switch Progressions
Vendor: R.J. Cooper & Associates
Computer: Apple II Family, IBM PC Family
Manual Form: Electronic Manual, Printed Manual
Cost: $75.00 - $90.00

Children's Switch Progressions (formerly R.J.'s Switch Progressions) is a program that contains seven activities providing training in use of single switches (or a touch screen). The activities progress from requiring that a switch be activated randomly to requiring that the switch be activated at specifically timed intervals. Skills developed include understanding cause/effect and attending to an extended task (levels 0 and 1), following directions (level 2), and responding to visual prompts (level 3). Other parameters that can be adjusted are reaction speed, penalty for inattention or inappropriate switch activation, length of reinforcement, release (reinforcement upon switch hit or release), and auditory feedback as reinforcement.

A color monitor, single switch with switch interface or a TouchWindow (see entry), plus an Echo speech synthesizer for Apple computers and Soundblaster for IBM computers are recommended. The cost of the disk includes shipping and handling; the cost is $75.00 for Apple and $90.00 for IBMs. The software is distributed as shareware; after ten free trial uses, the user must call the manufacturer to arrange payment and receive a password that enables continued use of the disk.

Product Name: Circletime Tales (J65)
Vendor: Don Johnston Developmental Equipment
Computer: Apple Macintosh Family
Manual Form:
Cost: $95.00

Circletime Tales is an educational software program which teaches colors, clothing, directions, and counting to pre-readers. Designed for group or individual use, such stories as the Eensy Weensy Spider and Five Little Ducks are included with animation and sound. Activities can be played all the way through or certain parts may be repeated.

Product Name: Cloze-Plus Program

Vendor: Instructional/Communications Technology, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $160.00 per level set

Cloze-Plus Program is a vocabulary and comprehension skills training program which uses structured cloze sentences (context sentences with one key word missing). Three types of tasks for comprehension and vocabulary input are included. Meaning Completion Cloze presents a paragraph with a missing word and asks users to select the correct choice from foils. Vocabulary in Context asks a content question based on a paragraph in which the target word meaning can be inferred from context. Syntax Completion Cloze presents a sentence with a missing word and asks user to type in a correct word. User can request clues on any of the tasks by pressing space bar.

Cloze-Plus program is available for eight reading levels with 20 lessons each for grades one to eight.

Product Name: Cognitive Disorders I, II, III, IV

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $99.50 each

Cognitive Disorders is a series of four programs that provide training in various skills for clients with cognitive disorders. The first two programs include twenty lessons and an authoring system to allow clinicians to create up to ten additional lessons. The other programs allow clinicians to vary the difficulty of tasks. All programs include a tracking component that allow results to be stored and printed at any time.

Cognitive Disorders I, Category Naming and Completion, requires users to determine the category represented by a short list of words and to add a word to the list from another list of words. Cognitive Disorders II, Category Discrimination and Reasoning, has three-level problems requiring identification of a word that does not belong in a list, rationalization for the word's inappropriateness, and selection of an appropriate replacement word. Cognitive Disorders III, Attention/Perception, requires matching of a target shape to an identical shape in a adjoining group. Cognitive Disorders IV, Memory for Pictures, shows a picture and then requires the picture to be identified from a group of three pictures.

Product Name: Cognitive Drills: Set I (Visual)

Vendor: Sunset Software

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $102.95

Cognitive Drills: Set I (Visual) (formerly Visual/Reading Drills) is a software program with a series of activities involving attention, reaction time, visual field, visual discrimination, and memory skills. A minimum of overt language processing is required. Some task parameters may be modified. Program is not copy protected and may be moved to a hard disk. Activities are: Anticipate (attention and reaction time); Attention (attention, reaction time, memory, and visual scanning); Baker's Dozen (visual field, discrimination, and counting); Bull's Eye (visual field, imaging, and memory); Matrix Match (visual field and discrimination); Picnic (visual field and motor dexterity); Reaction (reaction time); Recognize (reaction time, visual field, and discrimination); Remember: Colors (attention, visual field, and visual/spatial memory); Remember: Signs (attention, visual field, and visual spatial memory); and Stars (visual field, discrimination, and counting).

Cognitive Drills: Set I is also available on Sunset Software Volume #1, a 3.5" disk that contains four other Sunset programs and costs $149.95.

Product Name: Cognitive Rehabilitation Series

Vendor: Hartley Courseware, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $195.00 - $595.00

This series was developed to address a variety of organizational deficits which often result from traumatic brain injury and other neurologic impairments. The series consists of five separate program disks. The first four disks deal with the target concepts of Categorization (fits and misfits), Sequencing, Association, and Memory. The fifth disk is an authoring program that allows a clinician to expand or individualize activities from the four content disks.

All lessons are presented in a large easy-to-read upper/lower case letterset. Visual distractions are avoided unless they are part of the therapy. Instructional design options allow the clinician to control the number of presentations, the number of tries before answers are given, the parameters on which a lesson terminates, and other factors which may be required to meet individual patient needs. The non-licensed version of the series consists of the four content disks for $195.00. The licensed version includes all five programs and permission to make multiple copies for $595.00.

Product Name: Cognitive Rehabilitation Software

Vendor: Various (Generic Product)

Computer:

Manual Form:

Cost: Varies

A variety of software packages are designed specifically for training persons with cognitive disabilities. A few of the functions this type of software may train are memory, independent living skills, and visual/perceptual skills. However, there are many mainstream software packages not specifically designed for cognitive rehabilitation which may also be effectively used to attain cognitive therapeutic goals. In choosing any software for this purpose, it is important to consider the specific cognitive disabilities of the individual in relation to the specific abilities of a software package.

A significant problem with software is the issue of cognitive access: the software may provide training in one type of cognitive skill, but may assume skill in another cognitive area that an individual does not possess. For example, a software program may provide trainjng in memory skills but require substantial use of visual/perceptual abilities. However, in recent years this problem has been addressed by methods such as using voice prompts rather than requiring information to be read, and using touch screens rather than keyboards or mice as input devices.

Product Name: Cognitive Software: Visual Tasks

Vendor: Sunset Software

Computer: Apple II Family

Manual Form:

Cost: $99.95

Cognitive Software: Visual Tasks is a set of software programs for Apple II computers appropriate for adolescents or adults with brain injuries. The programs focus on visual tasks that increase in complexity. Activities address the following areas: attention, reaction time, visual scanning, visual discrimination, and memory testing. Tasks include counting stars and leading ants to a picnic basket.

An Apple II computer with one 5.25" disk drive is required. A color monitor is required for the "Colors" program. A joystick is required for the "Picnic" program.

Product Name: Cogrehab Vol. 1

Vendor: Life Science Associates

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $250.00

Cogrehab Vol. 1 is a memory and perceptual practice program with eight tasks addressing different skills in these areas. The tasks in Vol. 1 address: speed reading of word lists, reaction time to visual stimuli, speed of shape-matching, free memory recall, memory span capacity, mnemonic memory for word series, nonverbal sequence memory, and two administrative functions for keeping records and computing visual field information. Input is made via the keyboard.

Product Name: Cogrehab Vol. 2

Vendor: Life Science Associates

Computer: Apple II Family, TRS-80 Model I, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $150.00

Cogrehab Vol. 2 is a perceptual assessment and training program for visual perception and memory. The program consists of six tasks addressing skills in these areas, including: line bisection of horizontal and vertical lines, eye movement exercises with horizontal scanning, nonverbal shape matching, visual search for unusual shapes, and Single and Double Simultaneous Stimulation (SDSST). Input is made via the computer keyboard.

Product Name: Cogrehab Vol. 3 Version 2.0

Vendor: Life Science Associates

Computer: Apple II Family, TRS-80 Model I, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $175.00

Cogrehab Vol. 3 Version 2.0 is a memory training program designed particularly to supplement other therapy activities as homework. The program consists of five tasks, each addressing a different skill area, including: immediate memory recall, associative memory recall, recall of block patterns, advanced verbal memory exercise, and reading memory exercises. Record keeping and database capabilities are also included, as are foreign language word lists.

Product Name: Cogrehab Vol. 4

Vendor: Life Science Associates

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $95.00

Cogrehab Vol. 4 is a cognitive rehabilitation program which concentrates on three broad behavioral levels: attention, scanning, and problem solving. The program consists of three tasks, each of which addresses one of the areas of concentration, including: visual attention and vigilance, L/R and R/L scanning practice, and problem solving about logical sequences in number series. Input is made via the computer keyboard.

Product Name: Cogrehab Vol. 5
Vendor: Life Science Associates
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $200.00

Cogrehab Vol. 5, "Software for the Individual Emerging from Coma into Consciousness," includes 10 computer programs and a clinical guide to assist in evaluating and treating the cognitive aspects of response capability in the emerging coma patient. A hierarchy of "milestones," advancing from single discrete response to multi-switch response differentiation, guides the therapist in the choice of programs. With an interface (extra), responses can be recorded from any switch. The program makes frequent use of sound and bold displays. The programs may be customized. Automatic cumulation of scores enables analysis of performance changes across sessions.

Product Name: Cogrehab Vol. 6
Vendor: Life Science Associates
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $1,950.00

Cogrehab Vol. 6, "Driving Advisement System," is a series of computer programs for evaluating cognitive competence for safely operating a motor vehicle. The programs measure reaction time, perceptual motor tracking, decision making, and self-assessment of driving readiness. The Driving Advisement System includes software, steering and foot pedal modules, Input Adapter, and one-day training and application seminar.

Product Name: Cogrehab Vol. 7: Quest

Vendor: Life Science Associates

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $490.00

Cogrehab Vol. 7: Quest is a software program for providing training in language, memory, and associated cognitive and information processing problems. The program presents verbal stimuli which require a unique response in six categories: word finding (unscrambling letters to form a target word, typing the opposite to a given word), comprehension, retrieval/access to remote memory, abstract thinking (concept naming, choosing which word of four does not fall in the same category as the other three), logic (analogies), and quantification. A task builder/editor is also included.

Product Name: COINSNKEYS

Vendor: Castle Special Computer Services, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PC jr

Manual Form: Printed Manual

Cost: $50.00 - $266.00

COINSNKEYS is a coin recognition and counting practice program with voice prompt and output. Tasks in program include identifying real coins by spoken name, identifying real coins by spoken value, identifying the computer keys by name, practice counting one-to-one, and practice counting simulated coins and bills.

A speech synthesizer is required for voice output (not included with program). Program also includes instructions so that coins can be mounted on the keyboard. COINSNKEYS is sold as a single disk ($50.00), lab pack (six disks at $145.00), or group pack (16 disks for $266.00). Contact manufacturer about obtaining personalized editions for individual student operation.

Product Name: Color Find

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $19.95

Color Find is a color recognition and matching program for preschool children. The program presents large blocks of one of nine colors on the computer screen, and vocalizes instructions such as "press red." Color stickers corresponding to these colors are placed on the keyboard. The child is required to press the color key corresponding to the screen prompt color to be matched.

An Echo II Speech Synthesizer and color monitor for the Apple II are required for operation.

Product Name: Color Track

Vendor: Easter Seals and Lehigh Valley Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $2.00

Color Track is a public domain software program designed to develop visual tracking skills. A small square travels across the screen; square color, background color, and travel direction can be adjusted. Sound can be turned on or off. The square can be programmed to leave a trail. The square repeats until the adjustments are changed.

Product Name: Colors and Shapes

Vendor: BEST, Inc.

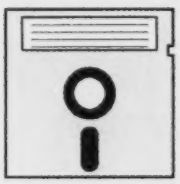
Computer: IBM PC Family

Manual Form:

Cost: Contact manufacturer

Colors and Shapes is a set of three disks designed to assess and teach cognitive and perceptual skills to developmentally impaired preschool age children. The programs revolve around colors and shapes. Once a color and shape discrimination is mastered, the teacher/therapist can focus on other perceptual and cognitive skills, such as figure-ground discrimination, object constancy, verbal association and problem-solving. The teacher/therapist can customize the program to match each child's skill level by controlling variables such as: input device, number of stimuli, complexity of stimuli, reward, response time and visual and/or auditory cuing.

Input to Colors and Shapes can be made with the BEST Switch Interface, PowerPad, Concept Keyboard or Unicorn Keyboard.



Product Name: Community Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $289.00

Community Signs is an eight-disk microcomputer program that teaches signs which are essential for community living. The disks cover common information signs (e.g., "City Dump," "Coffee Shop," "Grocery Store," "Police Station"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, and an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

An Apple II system with at least 64K of memory, one disk drive, and an appropriate speech synthesizer (see entries) are required. A color monitor, joystick, and printer may also be used with the program. An IBM version of the program requires 256K; network and hard drive loadable versions are also available. Community Signs includes eight disks, and administration manual, and six reproducible workbooks.

Product Name: Community Vehicles

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00 each

Community Vehicles is a computer program designed to teach children about various community vehicles. The program is for one to six players and has two levels. At Level 1, the child selects a vehicle associated with a community helper (fire engine, ambulance, school bus, police car, garbage truck). At Level 2, the child matches a vehicle to the community helper presented on the screen.

An Echo speech synthesizer, color monitor, and PowerPad are required for use on Apple II computers. For Macintosh use, the IntelliKeys Keyboard, overlay, and 5.25" disk drive are also required.

Product Name: Complete Spelling Program

Vendor: SLED Software

Computer: Apple II Family, Commodore 64

Manual Form: Printed Manual

Cost: $199.00 - $230.00

Complete Spelling Program consists of instructional activities in spelling designed for students with spelling deficits or specific learning disabilities, from fourth grade to adult. The comprehensive, self-contained program includes five basic spelling rules, exceptions and generalizations, and provides repetitive exercises and reinforcement. The program features: tutorials for each rule, drill and practice, graphics, student pacing, correct answers and summary performance with the option to proceed available on request.

The lessons for the Commodore or PET version are priced as follows: "F-L-S or Z Rule," four tapes, $38.00; "Doubling Rule or One, One, One," four tapes, $38.00; "Silent E Rule," six tapes, $57.00; "The Y Rule," six tapes, $57.00; "Extension of the Doubling Rule," six tapes, $57.00. The programs are available as a complete package for the Commodore 64 (five disks or 26 tapes) or PET (one disk or 26 tapes); the price is $199.00. The same series of 26 lessons is offered for the Apple II family, as a four-disk package only, for $230.00.

Product Name: Comprehension Power Program

Vendor: Instructional/Communications Technology, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $160.00 per level set

Comprehension Power Program is a reading improvement program designed to improve comprehension and study skills strategies through reading practice. The program series consists of 15 four disk sets spanning reading levels 1-12 (Elementary and Secondary/Adult). Reading practice is conducted in three steps: vocabulary introduction of key words, optional untimed preview of portions of reading selections, and comprehensive reading presentation of text line by line in short segments, or frame by frame in longer segments. Each segment is followed by comprehension questions, and text presentation can vary from 30-650 words per minute. Other analysis functions and summary data are available in program.

Product Name: Computer CUP

Vendor: Amidon Publications

Computer: Apple II+, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $39.95 - $229.50

Computer CUP (Concept Understanding Program) consists of six sets on nine disks designed to teach basic concepts. Each set presents different concepts. Set 1 teaches top, through, away from, next to, inside, middle, farthest; Set 2 teaches around, over, between, nearest, corner, behind, row; Set 3 teaches center, side, below, right-left, forward, above, separated, in order; Set 4 teaches some/not many, few, widest, most, whole, second/third, several, almost; Set 5 teaches half, as many, not first or last, medium-sized, zero, every, pair, equal, least; Set 6 teaches different, after, beginning, other, alike, matches, always/never, skip. Presentations remain on the screen until a response is made. The keyboard is used for input.

Each set is $39.95, and the complete series is $229.50. Student performance sheets and a class record sheet are included.

Product Name: Computer Progs. for Neuropsychological Testing & Rehab.

Vendor: Sbordone, Robert, PhD

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $97.50 - $187.50

The Sbordone-Hall Memory Battery ($375.00) provides the automatic assessment of 18 memory functions, and statistical analysis of the results. The Digit-Digit II ($250.00) test trains visual perceptual and motor skills, and speed of cognitive processing. User must locate a displayed number from 1-9 on a horizontal array, and then locate another number located directly below and enter that on a keyboard. Three additional programs are designed to operate as a sequence, requiring increasing levels of attention and memory. The Complex-Attention Rehabilitation Program ($195.00 each) presents the user with a visual tracking task of increasing difficulty, controlled with a joystick. Problem Solving I teaches the user to tolerate increasing levels of frustration to complete a problem solving task. Problem Solving II presents a series of increasingly complex problem solving tasks, each of which adjusts in level of difficulty to the patient's performance and provides immediate feedback to the patient. All programs provide performance data and analysis and comparison of patient scores. Each program can operate with an Echo II speech synthesizer for auditory feedback (optional).

Product Name: Computer-Aided Fluency Establishment Trainer (CAFET)

Vendor: Cafet, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PS/2 Models 25/30

Manual Form: Printed Manual

Cost: $4,130.00

Computer-Aided Fluency Establishment Trainer (CAFET) is a program designed to correct stuttering by giving the stutterer visual feedback on aspects of their speech. The core program (average 20 hours) procedes in 54 modular steps, each of which teaches a new phonatory and respiratory skill. Each step monitors performance in six key target areas: diaphragmatic vs. thoracic breathing, continuous airflow vs. breathholding, pre-voice exhalation, slow voice onset, continuous phonation, and adequate breath support. The second stage of the program (average six hours) emphasizes using skills in the real world. The third stage is aimed at retaining skills. The complete CAFET package consists of a microphone (for measuring voice patterns), respiratory sensors (for measuring changes in airflow), a plug-in circuit card for the Apple IIe (for displaying voice and airflow graphically), a therapy software and training diskette (for administering the therapy), and a training manual. Also included is training for one at the Annandale Fluency Clinic in Annandale, Virginia.

A color monitor is required to use CAFET.

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Product Name: CONCENTRATE! On Words & Concepts

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $95.00 - $115.00 each

CONCENTRATE! On Words & Concepts is a series of educational games that reinforce the lessons of the Words & Concepts series (see entry) while developing short term memory skills. The games use the same vocabulary as their corresponding Words & Concepts programs. Students may play alone or with another player. The object of the game is to find matches based on vocabulary, categorization, word identification by function, or word association. During play, the computer provides auditory instruction and feedback. A menu permits control of the number of cards on the screen, animation, number of players, and interface method used by each player. Interface options include TouchWindow (see entry), single switch, or keyboard. Scanning speed may be adjusted for single switch users.

The Apple version ($95.00) requires an Apple II computer with 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The IBM version ($115.00) requires 640K of memory, a speech synthesizer, and a disk drive. A color monitor and TouchWindow are recommended.

Product Name: Conceptor

Vendor: Psychological Software Services, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $59.95

Conceptor is a computer game designed to provide training in the areas of perception, classification, and categorization. Perception activities require the user to identify different items of data in a picture and detail characteristics. Classification provides drills in determining criticality of characteristics. Categorization requires items to be placed in specific categories. A final game requires the user to evaluate a set of graphics that have the same critical characteristics; these sets are called "concs." The user defines the conc's critical characteristics and places the conc into its appropriate category.

No language ability is required to use Conceptor; the exercises are designed to be content and language free.

Product Name: Conceptual Skills

Vendor: Psychological Software Services, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe, Atari 800

Manual Form: Printed Manual

Cost: $150.00

Conceptual Skills is a set of computer programs designed to enhance skills involved in relationships, comparisons, and number concepts. Number Concepts I displays a group of from one to ten yellow blocks on the screen. The numbers one to ten appear at the bottom of the screen, and the user must move a cursor to the correct number with a joystick, and select the correct number with the joystick button. Number Concepts II is similar, but the numbers are not displayed: the user must pick the correct number. Word Concepts (Big/Little) shows two squares of different sizes. Either "bigger" or "smaller" can be specified as the correct response, and the user must move a cursor to the correct square. Word Concepts (Same/Different Sizes) presents three shapes on the screen, one of a different size. The user moves an arrow with a joystick to indicate the odd one. Word Concepts (Same/Different Color) and Word Concepts (Same/Different Texture) are similar, but have one shape with different color or visual texture.

Product Name: Core Reading and Vocabulary Development

Vendor: Educational Activities, Inc.

Computer: Apple II Family, IBM PC Family, IBM PS/2 Models 25/30, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $650.00 for set

Core Reading and Vocabulary Development is a language skills training program for reading levels of 1.0 to 3.0, intended for older children and adults. Students begin with 35 basic words and progress to over 200 through various activities. Tasks include reading, timed reading, question/answer, visual-memory development, spelling, writing, and problems that model and encourage thinking, vocabulary development, and phonetic patterns.

Price listed is for complete set of 18 disks, 18 back-up disks, 108 reproducible activity masters, and a teacher's guide.

Product Name: CREATE

Vendor: CREATE

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $55.00 - $85.00

CREATE is a set of six evaluation and treatment programs for use in cognitive and physical rehabilitation therapy. VISUAL MEMORY offers flexibility in length of exposure time and complexity of numbers, words, and figures for memory retention. VISUAL DISCRIMINATION presents figure, shape, size and color trials that allow for contrast and comparison in feature analysis. VISUOSPATIAL CONCEPTS reinforces spatial relationships between objects with graphic designs. VISUAL ORGANIZATION uses a multiple choice format to find the missing part to complete a figure, and includes the dimension of figure-ground analysis. PHYS. DYS. EVALUATIONS evaluates upper extremity range of motion, hand range of motion, hand strength and coordination, upper extremity muscle strength, and activities of daily living. HOME PROGRAMS can be used to generate an exercise program for adults with physical disabilities; versions are available for children age 0-3 or 3-6. Results can be printed out.

The first four programs are available for $55.00 each. PHYS. DYS. EVALUATIONS is available for $75.00; each of the Home Programs is available for $85.00. A demonstration disk is available for $2.0.

Product Name: Creature Antics and Creature Capers

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $65.00 - $75.00 each

Creature Antics and Creature Capers are game programs designed to improve attention skills and teach cause and effect, turn-taking, and switch use. Users activate a single switch, TouchWindow (see entry), or the space bar to make "creatures" perform animated routines with accompanying sounds. Additional activations cause the routine to continue. Encoded speech is used throughout the programs. Each program uses a different set of creatures and animated routines.

Creature Antics and Creature Capers are compatible with Apple II and IBM computers. The Apple version of the programs are $65.00 each and require 64K of memory, a speech synthesizer, and a disk drive. IBM versions of the programs are $75.00 each and require 640K of memory, a speech synthesizer, and a disk drive. A color monitor and TouchWindow or a single switch are recommended.

Product Name: Creature Chorus

Vendor: Laureate Learning Systems, Inc.

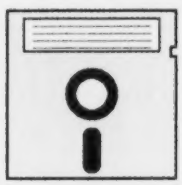
Computer: Apple IIGS, Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $85.00 - $95.00

Creature Chorus is a set of six games for use with the TouchWindow (see entry) and six games for use with a single switch or the space bar. Eight animated characters introduce the concepts of cause and effect, switch use, visual tracking, discrete pointing, and turn taking. Games range from very basic to challenging. An example of the single switch games is "Songfest," where creatures appear one at a time when a switch or the TouchWindow is activated. Once all the creatures are present, each switch activation causes them to perform a dance that continues until the next switch activation. A new arrangement is then created and repeated. An example of the TouchWindow games is "Shrinker," which uses an animated creature and a series of shrinking boxes to train pointing to a discrete area on the TouchWindow.

Creature Chorus is compatible with an Apple II computer and is $85.00. IBM versions of the program are $95.00. A color monitor and TouchWindow or a single switch are recommended.



Product Name: Creature Features

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, IBM PC Family

Manual Form:

Cost: $75.00

Creature Features is an educational software program designed to teach the user cause and effect concepts and switch use. The user is given a group of graphic "creatures" and then asked to select one of them. Selection is made by using a switch. When the switch is activated the creature performs various animated routines in response to the switch use. The program also provides computer use practice.

The Apple IIGS version requires 512K of memory, a speech synthesizer, and a disk drive. The IBM version requires 640K of memory, a speech synthesizer, and a disk drive.

Product Name: CrossWords
Vendor: Marblesoft
Computer: Apple II Family
Manual Form:
Cost: $50.00 - $100.00

CrossWords is a software program that can be used to create and run educational crossword puzzles, word search puzzles, spelling tests, and jumbled word puzzles. The program includes a text editor, which can be used to generate word lists or select words from existing lists. The crossword and word search puzzles may be displayed in three different sizes and all puzzles may be printed. Sound output discriminates, via pitch, between correct and incorrect answers; musical reinforcement is available as an option. A record keeping and reporting system is also included. A Special Access version includes support for the Echo, Cricket, or DoubleTalk speech synthesizer, compatibility with the TouchWindow, and a single-switch input feature. A demo training program is included.

CrossWords is $50.00 for the standard version or $75.00 for the Special Access version (both on 5.25" disks). CrossWords 3.5, which contains both versions on a single 3.5" disk, is $100.00.

Product Name: Cue-Write
Vendor: Communication Skill Builders
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $49.00

Cue-Write is a word processing program that provides spelling cues. The top half of the screen is used to display the document being typed; the bottom half contains a list of words that start with the same letter as the word being typed. Two cueing options are available: Assist, which continues to display the words until the entire word is typed, and Tutor, which removes the word list from the screen as soon as the second letter of the word is typed. A vocabulary of over 2,000 words can be entered. The word lists can be configured so that all words with the relevant first letter, random words with that letter, or manually selected words with that letter are displayed when the list appears. The option to have words spoken is included; an Echo speech synthesizer (extra) is necessary to take advantage of this feature. The word processing features are menu-driven.

Cue-Write is not a word prediction program; the program presents correct spellings of words but the entire word must be typed in by the user. The program may be used with the Adaptive Firmware Card and an alternative input device (extra).

Product Name: Data Entry

Vendor: Attainment Company

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $295.00

Data Entry is a program for training students to perform data entry tasks. Printed sheets with account numbers are provided; the student types the account number into the computer. At Level One, the student then enters "A" or "B" depending on the information on the sheet. At Level Two, the student enters "A," "B," and a dollar amount. At Level Three, the student is also required to proofread the screen for errors.

An Apple II computer, one disk drive, and a monitor are required to use Data Entry; a printer is optional. A file box for storing account sheets, a technical manual, and a teacher's guide are also included.

Product Name: Dinosaur Game

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $35.00

The Dinosaur Game is an educational game program for one to four players. The program uses color graphics and synthesized speech to help promote independence, turn-taking, sharing, and rule-following. The game is also designed to help with other skills such as sequencing and color identification. The players operate the game using a single switch. The instructor must load the disk and start the game; after that the students can play independently. The Dinosaur Game provides verbal instructions to the players on how and when to play.

The Dinosaur Game requires a color monitor, an Echo II speech synthesizer (see entry), and an adaptor for plugging switches into the computer's game port. The manufacturer designates this program for the three to five age range.

Product Name: Dr. Peet's Talk/Writer

Vendor: Hartley Courseware, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $79.95 - $149.95

Dr. Peet's Talk/Writer is a two-disk program that teaches letter recognition and simple word processing skills. The first disk provides lessons in recognition of capital and lower-case letters, and keyboard familiarity. Disk Two has a word processor with four commands, which uses ECHO voice synthesis and large letters. Sound output can be controlled by users.

A 64K computer from the Apple II family is required to run these programs. Large print text can be generated on an Imagewriter, Epson, or Apple Dot Matrix printer. The program is $79.95; a set of five copies of the program is available for $149.95.

Product Name: Drive to Live

Vendor: Blessing, Maleta

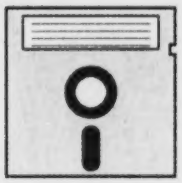
Computer: Apple IIe, TRS-80 Model II

Manual Form:

Cost: $75.00

Drive to Live is a software program designed to assist persons in Drivers' Education training to learn driving rules. The program has a section of study questions and a test. The program is based on the 20 most frequently asked questions taken from the drivers' handbooks of Texas, New Mexico, Louisiana, Oklahoma, and Arkansas. Prior computer knowledge is not assumed. Each question is presented until the student answers correctly; correct answers are rewarded by a positive statement (e.g., "YOU ARE RIGHT"). After running through the study questions, the student may choose to take the test or review the material. Questions on seatbelt use and drug use are included.

The program is available for the Apple IIe and TRS-80 Model II. A separate version that covers driving rules for Canadian provinces is also available.



Product Name: Early and Advanced Switch Games

Vendor: R.J. Cooper & Associates

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.00

Early and Advanced Switch Games is a thirteen-game disk designed to provide training in use of single switches. The games progress incrementally from cause/effect tasks through timing and manipulation exercises to matching/selection exercises. Examples of games included are Noises, which provides instant positive reinforcement on switch activation; Build-A-Scene, which adds a part of a picture every time the switch is pressed; and an Advanced set of games that require counting, matching, and manipulation. User name, reaction speed, and type of scanning can be selected and saved.

A color monitor, single switch with switch interface, and Echo speech synthesizer are recommended for use with these games. The software is distributed as shareware; after ten free trial uses, the user must call the manufacturer to arrange payment and receive a password that enables continued use of the disk.

Product Name: Early Concepts

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Early Concepts is a single-switch educational software program. Two concepts are taught: what is missing, and matching objects. One to four players may participate. The scanning speed (time that the cursor remains on a selection waiting for a player to press the switch) may be adjusted.

An Echo speech synthesizer, color monitor, and single switch are required for Apple II compatibility; for Macintosh computers, a Apple IIe emulation card and a 5.25" disk drive are also needed. A TouchWindow version is available for Apple computers.

Product Name: Early Emerging Rules Series

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $150.00 each

Early Emerging Rules Series is a set of three software programs that introduce early grammatical constructions using speech, pictures, and animated characters. The series is intended as a follow-up to the vocabulary training provided by First Words, First Words II, and First Verbs (see entries). Six instructional levels each include a game, four levels of training, and a test option. Students are presented pictures and asked to select the picture which represents the construction being trained. Various amounts of instruction, cuing, and feedback are provided on each training level.

The three programs are: Negation, which trains the determiner "No"; Plurals, which trains regular noun plurals; and Prepositions, which trains the prepositions "in" and "on." An Apple II computer with 64K of memory, a monitor, a speech synthesizer, and a 5.25" disk drive are required. A color monitor, TouchWindow (see entry), and printer are recommended.

Product Name: Early Learning 3.5/Complete Early Learning 5.25

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $165.00 - $200.00

Early Learning 3.5 is a set of 18 educational programs and a record-keeping system sold on a single 3.5" or 5.25" disk. All programs support input from a keyboard, hand controls, Power Pad, or Touch Window.

Programs included are: Matching Colors, Learning Shapes, Counting Numbers, and Letter Match; Sorting Fun, Count the Shapes, Match the Shapes, and What Comes Next; Coins and Bills, Counting Money, and Making Change; Early Addition I and II, Sequencing Up, and Sequencing Down; and Early Subtraction I and II and More Than/Less Than. The programs require a 128K Enhanced Apple computer. Some programs require a color monitor. An Echo or Double Talk speech synthesizer may be used to provide speech output. All Early Learning programs are also available separately; contact manufacturer for details. Early Learning 3.5 is $165.00 for the 3.5" disk version ($25.00 for additional backup copies). Complete Early Learning, which is the same set of programs on 5.25" disks, is $200.00 ($5.00 for additional backup copies).

Product Name: Early Learning I

Vendor: Marblesoft

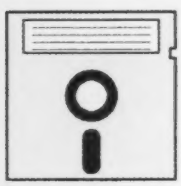
Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $75.00

Early Learning I is a program for teaching recognition of colors, shapes, numbers, and letters. The four lessons included are: Matching Colors, Learning Shapes, Counting Numbers, and Letter Match. All have the option of being controlled with: a single switch, joystick, keyboard, paddles, PowerPad, or Edmark's Touch Window. The program may be set to ask for a yes or no response with no as default value. A speech synthesizer responds with correction and reinforcement. A record-keeping program is also included.

An Echo or Double Talk speech synthesizer and an enhanced 128K Apple are required to run Early Learning I. For the Matching Colors lesson a color monitor is required. Overlays are included for marking or color-coding the keys the student needs to depress; specify model of computer when ordering. Hand Controls (see entry) can be purchased for the switch option. Extra backup copies of the program are available (extra).



Product Name: Early Learning II

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $57.00

Early Learning II is a program for teaching addition and number sequencing. The lessons Early Addition I and II teach addition with the graphic presentation of objects for reinforcement. The lessons Sequencing Up and Sequencing Down teach number sequences by requesting the student to fill in a missing number. All four lessons can be controlled with the keyboard, voice input, or one or two switches. The switch option presents "yes" and "no" choices. A speech synthesizer provides voice reinforcement. All lessons have increasing levels of difficulty. A record keeping program is also included. The program can "beep" when numbers are entered for the benefit of users with blindness.

A 128K Enhanced Apple is required to run Early Learning II. An Echo or Double Talk speech synthesizer is required for the option of voice reinforcement. Keyboard overlays are included. Hand Controls (see entry) can be purchased for the switch option. Early Learning II can be used with the PowerPad keyboard (see entry) and Touch Window (see entry). Backup copies are available (extra).

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Product Name: Early Learning III

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $57.00

Early Learning III contains three programs designed to teach subtraction and number comparison. The Early Subtraction I and II programs display objects on the screen to teach subtraction of numbers from 1 to 19. More Than/Less Than teaches comparison of sets, numbers, and equations. All programs feature adjustable levels of difficulty. The program can "beep" when a number is input for the benefit of users with blindness.

Early Learning III requires a 128K Enhanced Apple. The input form may be a keyboard, hand controls, PowerPad, or Touch Window. An Echo or Double Talk speech synthesizer is recommended. A record-keeping system is included in the program. A keyboard overlay is also included. Backup copies are available (extra).

Product Name: Edmark Reading Program, Level 1 Software

Vendor: Edmark Corporation

Computer: Apple II Family

Manual Form: Printed Manual

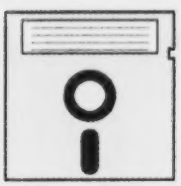
Cost: $450.00 - $600.00

The Edmark Reading Program is the software version of a highly repetitive sight word approach for students from age three to adult. The student uses a joystick or TouchWindow (see entry) to make selections; keyboard use is another option, but is not required. The same prerequisites of the printed program apply: the student must be able to point, say or sign back a response, and have enough receptive language to understand the cues. Lessons move from pre-reading matching to word recognition, matching words to pictures, matching phrases to pictures, and short illustrated stories. A resource on disc allows the teacher to maintain data on three students at one time.

Use of an Echo speech synthesizer is required if the teacher wishes to provide verbal cues and reinforcement that differs to suit student response. The Edmark Reading Program for $450.00 consists of one system disk and 15 lesson disks. A back-up disk is also included for a package price of $600.00.

Product Name: Edufun
Vendor: Terpenning, Joseph L.
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $10.00

Edufun is a skill building program offering progressively more difficult problems in addition, subtraction and multiplication, stories displayed at an increasing rate to develop reading speed, and a spelling improvement tutorial using a look and remember concept. For every problem answered correctly, a star is printed on the screen. Correct answers appear for each incorrect response. Edufun displays are in large print (32 characters per line). Program is operated from keyboard input.



Product Name: Eency-Weency Spider Game
Vendor: UCLA/LAUSD Microcomputer Project
Computer: Apple II+, Apple IIGS, Apple IIe
Manual Form:
Cost: $35.00

Eency-Weency Spider Game is a single switch training program for one to four players. The players move the spider up the drain spout to win. The scanner randomly selects the sun (which moves the spider up one space) or rain clouds (which moves the spider down one space).

An Echo speech synthesizer, color monitor, and single switch are required.

Product Name: Elementary Signer

Vendor: E & IS SignWare

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $79.95 - $99.95

Elementary Signer is designed to introduce elementary school age students to ASL Sign Language. Words selected by the student are translated into the equivalent ASL signs and displayed on the screen in computer animation. The 160 word vocabulary allows students to converse in simple sentences. Signs can be displayed with or without captions. Motions of the signs can be slowed down, sped up, frozen, or repeated. Learning Comprehension mode tests knowledge of signs and keeps score.

The program is $79.95 for the silent version and $99.95 for the talking version (talking version available only for the Apple and Macintosh). A graphics adaptor is required for the IBM version. Two disk drives are required for the Apple version.

Product Name: Elementary Volume 1 - Mathematics

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $18.57

Elementary Volume 1 - Mathematics is an education program originally developed by MECC (Minnesota Educational Computing Corporation) and adapted for speech output by the American Printing House for the Blind. The program is designed so that all output is presented by a speech synthesizer. There are eleven programs included on a single 5.25" disk: Bagels, a mathematical logic and guessing game; Change, a change-counting drill; Hurkle, a game for teaching the coordinate system; Metric Estimate, where the student must estimate the length of a line (which can be printed in braille); Metric Length, a drill on converting metric units; Metric 21, a blackjack game for teaching metrics; Number, a guessing game; Round, a number-rounding drill; Speed Drill, a timed or untimed drill on arithmetic; Taxman, a program on factors and primes; and Tens, a drill on multiplying multiples of ten.

An Echo Commander, or appropriate Echo speech synthesizer (from Street Electronics), is required.

Product Name: Employment Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $209.00

Employment Signs is a four-disk microcomputer program that teaches 40 signs which are essential in employment settings. The disks cover ten common information signs (e.g., "Apply Here," "Employee Lounge") and 30 common safety signs (e.g., "Caution Do Not Enter," "Eye Wash Fountain," "No Smoking"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, and an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

Employment Signs includes four disks, an administration manual, and six workbooks. An Apple II system with at least 64K of memory, one disk drive, and an appropriate speech synthesizer are required; IBM versions require 256K; network and hard drive loadable versions are also available. A color monitor, joystick, and printer may also be used with the program.

Product Name: English on the Job

Vendor: Conover Company

Computer: Apple II Family

Manual Form:

Cost: $59.95 - 1,695.00

English on the Job is a vocational exploration and assessment program. A series of activities show the relationship between basic English language skills and occupations. Students are given the opportunity to explore careers, practice language skills related to particular jobs, and access remedial information related to communication skills. This series helps students make the school-to-work adjustment by developing an understanding of the importance of basic English skills in areas of occupational interest.

English on the Job is available in printed and computer disk form. The complete computer system ($1,695.00) includes 33 disks, 31 student guides, a management system, and teacher's guide. Individual career area disks are available for $59.95 each. The computer version of English on the Job is compatible with Apple II system and IBM computers; network and hard drive loadable versions are also available.

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Product Name: ERIN (Early Recognition Intervention Network)

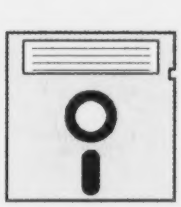
Vendor: J.E. Stewart

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $17.00 per disk

ERIN (Early Recognition Intervention Network) is a set of educational software programs. The programs are designed as a curriculum for students with early childhood learning disabilities. ERIN consists of assessment tools, curriculum guides, and hands-on activities. The programs are on two disks; one focuses on toddlers and infants, the other on primary school age children.



Product Name: Exploratory Play

Vendor: PEAL Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $150.00

Exploratory Play is a language activity that uses toys to teach students with physical and mental impairments students to communicate linguistically by indicating drawings representing desired activities or toys. Color line drawings (included) are assembled as overlays for a membrane keyboard. The user "asks for," "labels," or "describes" a toy or action by touching a picture on the keyboard. The picture then appears on the monitor screen, and the speech synthesizer "says" the descriptive words written below it.

A Muppet Learning Keys membrane keyboard is required for input. An Echo II is required to use Exploratory Play with an Apple IIe; an Echo IIc is required for the IIc. Toys corresponding to the overlay symbols are available from Peal. All of these peripherals and options are at extra cost.

Product Name: Fact File: Brief Facts and Jokes for Reading ...

Vendor: Sunset Software

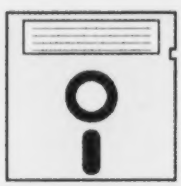
Computer: Apple II Family

Manual Form: Printed Manual

Cost: $32.95

Fact File: Brief Facts and Jokes for Reading Stimulation is a computer program for encouraging and reinforcing attention and reading behavior. The program contains 150 questions, facts, and jokes. An item is randomly shown on the screen. The user reads the item, thinks of an answer, and presses any key to see the correct answer. The response is not evaluated and additional response is not required.

Fact File is also available on Sunset Software Volume #1, a 3.5" disk that contains four other Sunset programs and costs $149.95.



Product Name: Family Fun

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Family Fun can be used to teach cause and effect and basic vocabulary. A group of 16 familiar objects or people found in the home are presented. As an object is touched on the PowerPad or IntelliKeys, the object appears on the monitor and the speech synthesizer reinforces the association by naming that object or person.

The program requires PowerPad, speech synthesizer, and overlay for Apple computers; for Macintosh computers, the IntelliKeys Keyboard, speech synthesizer, overlay, Apple IIe emulation card, and 5.25" disk drive are needed.

Product Name: Fast Food Game

Vendor: UCLA/LAUSD Microcomputer Project

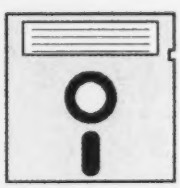
Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Fast Food Game is a computer scanning program designed to provide practice in single switch use. Players move around an on-screen board by selecting "fast food" items. If a "sick face" is selected, the player loses her next turn.

A speech synthesizer, single switch, and color monitor are required; also an Apple IIe emulationa card is needed for the Macintosh version.



Product Name: Feelings

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Feelings is an educational software program. Six feelings (happy, mad, sad, scared, love, tired) are depicted on a PowerPad overlay. The program has three levels: Level 1 describes each emotion, Level 2 requires the user to associate an emotion with an action, Level 3 the user chooses a picture to describe feelings.

A speech synthesizer, color monitor, and PowerPad are required; for the Macintosh, an Apple IIe emulation card and IntelliKeys are also needed.

Product Name: Fingerspeller

Vendor: E & IS SignWare

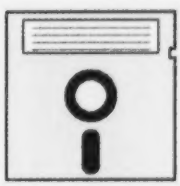
Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $39.95 - $49.95

Fingerspeller is a program that teaches ASL fingerspelling. The program displays line graphics of a hand forming the shape of an ASL letter. Letters on the computer screen are seen from the same perspective as viewing a human signer would give. Individual letters or words of up to 30 letters can be displayed at four user-selected speeds. Words can be captioned or non-captioned. A Learning Comprehension mode allows the user to test himself from a pre-programmed list of words stored on the disk or to create his own list of words. The program keeps score of these tests.

The silent version of the program is $39.95; the talking version (available for the Apple and Macintosh only) is $49.95. A Spanish version is available for the Apple. A graphics adapter is required to run the IBM version.



Product Name: Fingerspeller and Fingernumbers

Vendor: James Stanfield Co.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $39.00 - $99.00

Fingerspeller is a program designed to teach the manual alphabet. The program can generate a line drawing on the computer screen of each of the 26 hand signs. Fingerspeller contains a program that displays the signs with their meaning one at a time, a program that drills and tests the student, a similar program that has voice output, and a program that develops reading rate by projecting sequences of up to 120 signs at an adjustable rate.

An Echo speech synthesizer is required to use Fingerspeller with voice output (extra, model dependent upon computer). A program called Fingernumbers which teaches the manual numbers from 0-999,999 is included with Fingerspeller ($99.00), or may be purchased separately for $39.00.

Product Name: FingerZoids

Vendor: E & IS SignWare

Computer: Apple II Family, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $49.95

Fingerzoids is an arcade-type interactive game that teaches the American Sign Language (ASL) fingerspelling alphabet. Alien invaders in the shape of letters from the ASL alphabet descend from the top of the screen. The player shoots them down by pressing the corresponding English letter key. The program keeps score and posts high scores.

Product Name: First Categories

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00

First Categories is a program that trains categorization skills by using voice output and pictures of 60 nouns in six categories. Activities offer training by inclusion or exclusion, with or without cuing. Students are presented either two or three pictures (with optional speech and/or text) and asked to select the picture which represents a correct answer. Scan speed, response time, and criterion for ending the lesson can be adjusted. Animation can be turned on and off. Lesson summaries and test performances may be viewed on-screen or printed; records can be saved to disk in the Apple IIGS and IBM versions. Interface options include TouchWindow (see entry), single switch (must be keyboard emulating for use with IBM version), and game controller; a mouse option is available for IBM and Apple IIGS versions.

The Apple II version ($200.00) requires 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 512K memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive.

Product Name: First Mate

Vendor: BrainTrain

Computer: Apple II Family

Manual Form:

Cost: $149.00 - $375.00

First Mate is a software package for developing and training perceptual skills. Three modules are available: Attention Skills, Visual/Motor Skills, and Conceptual Skills. Attention Skills focuses on color discrimination/inhibition, scanning reaction/inhibition, scanning reaction time, and stimulus reaction/inhibition. Visual/Motor Skills focuses on spatial orientation, visual tracking and discrimination, visual tracking and inhibition, and visuospatial memory. Conceptual Skills focuses on pattern matching, numeric skills, symbolic matching, and number and letter sequencing. Scores can be printed out. Task difficulty is adjustable for each program. The programs can be used in assessment mode or training mode. First Mate can be controlled with the standard keyboard or with a joystick.

The three individual modules can be purchased separately for $149.00 each or all three are $375.00. Lab Packs are also available at $295.00 for each set of the three programs or $129.00 for each copy of a single program.

Product Name: First Verbs and Primeros Verbos

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00

First Verbs and its Spanish version, Primeros Verbos (not available for Apple IIGS or IBM), are programs that train and test 40 basic verbs using animated pictures and voice output. Each verb is represented by two pictures. Six instructional levels progress from identification of a single picture with instruction and cuing through discrimination between two different pictures with no instructions. Scan speed, response time, and criterion for ending the lesson can be adjusted. Lesson summaries and test performances may be viewed on-screen or printed; records can be saved to disk on Apple IIGS and IBM. Interface options include TouchWindow (see entry), single switch (must be keyboard emulating for IBM), keyboard, Left/Right Rocker Switch (see entry) and game controller. A mouse option is available for IBM and Apple IIGS.

The Apple II version ($200.00) requires 48K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 512K memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive.

Product Name: First Words

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00

First Words is a program that trains and tests 50 basic nouns presented within 10 categories, using speech output. Each noun is represented by two different pictures. Six instructional levels progress from identification of a single picture with instruction and cuing through discrimination between two different pictures with no instructional support. Scan speed, response time, and criterion for ending the lesson can be adjusted. Lesson summaries and test performances may be viewed on-screen or printed; records can be saved to disk in the Apple IIGS and IBM versions. Interface options include TouchWindow (see entry), single switch (must be keyboard emulating for use with IBM version), keyboard, Left/Right Rocker Switch (see entry) and game controller; a mouse option is available for IBM and Apple IIGS versions.

The Apple II version ($200.00) requires 48K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 512K memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive.

Product Name: First Words II

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00

First Words II is a program that follows the format and continues the training and testing of First Words (see entry) with 50 additional basic nouns presented within the same 10 categories used by First Words. A different animated creature accompanies the new vocabulary words. Scan speed, response time, and criterion for ending the lesson can be adjusted. Lesson summaries and test performances may be viewed on-screen or printed; records can be saved to disk in the Apple IIGS and IBM versions. Interface options include TouchWindow (see entry), single switch (must be keyboard emulating for use with IBM version), keyboard, Left/Right Rocker Switch (see entry) and game controller; a mouse option is available for IBM and Apple IIGS versions.

The Apple II version ($200.00) requires 48K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 512K memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive.

Product Name: Following Directions: One- and Two-Level Commands

Vendor: Laureate Learning Systems, Inc.

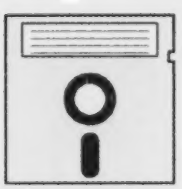
Computer: Apple II Family

Manual Form: Printed Manual

Cost: $235.00

Following Directions: One- and Two-Level Commands is a two-disk program that provides practice in following one and two step directions and using short term memory while teaching spatial relations and directional terms. Speech output directs the students to move animated characters to particular positions relative to the objects on the screen. Multiple levels present the exercises in progressively more difficult steps. A delay feature between auditory and visual stimuli may be used to further challenge short term memory. Scan speed, response time, and criterion for ending the lesson are adjustable. A lesson summary and test performance results may be viewed on-screen or printed.

Following Directions requires an Apple II computer with 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. A color monitor, TouchWindow (see entry), and printer are recommended. Interface options include TouchWindow, a single switch, the keyboard, or a game controller.



Product Name: Following Directions: Left and Right

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $165.00

Following Directions: Left and Right provides practice in following directions and use of short term memory while reinforcing left/right discrimination concepts. In ten activities of increasing difficulty, students are asked to move objects to particular positions on the screen using the commands "left" and "right." Speech output, animated characters, and animated drawings of hands and objects are used throughout the program. Scan speed, response time, and criterion for ending the lesson may be adjusted. Lesson summaries and test performance results may be viewed on-screen or printed.

Following Directions: Left and Right requires an Apple II computer with 64K of memory, a monitor, a speech synthesizer, and a 5.25" disk drive. A color monitor, TouchWindow (see entry), and printer are recommended. Interface options include TouchWindow, a single switch, the keyboard, a game controller, or Left/Right Rocker Switch (see entry).

Product Name: Foundations I

Vendor: Psychological Software Services, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe, Atari Family, IBM PC Family, IBM PC jr

Manual Form: Printed Manual

Cost: $125.00 - $150.00

Foundations I is a series of seven types of visual and auditory reaction training programs. Simple Visual Reaction Time I-II records reaction time to a square presented randomly in time and place. Visual Reaction Stimulus Discrimination I-II records reaction to the choice of a colored square presented at random intervals. Visual Reaction Differential Response records right or left reaction to a square presented on either side of a vertical line. Visual Reaction Auditory Prestimulus operates like Simple Visual Reaction, but includes a tone prior to the square, to signal or inhibit response. Simple Auditory Reaction measures response time to a tone. Visual Scanning records accuracy and speed of user response to a randomly presented variation in a tracking line. Visual Discrimination Differential Response I & II requires user to make a discrimination between two possible stimuli, and respond with either the left or right hand.

All programs require use of joystick for operation. The price is $125.00 for Apple and Atari versions, and $150.00 for the IBM version.

Product Name: Foundations II

Vendor: Psychological Software Services, Inc.

Computer: Apple II Family, Atari 800, IBM PC Family, IBM PC jr

Manual Form: Printed Manual

Cost: $150.00 - $175.00

Foundations II is a series of seven types of visual scanning, tracking, and reaction training programs. Visual Reaction Multiple Stimuli records reaction time to change in stimuli color. Visual Tracking records percent success of reaction to change in color of a randomly tracking stimulus. Visual Scanning II records reaction time and success in recognizing a cluster of digits surrounding a presented target symbol (e.g. $, #, or %). Visual Scanning III records search reaction times for user to scan one vertical column of letters to select a pair of letters to match a corresponding pair of highlighted letters. Multiple Attention/Response requires the user to control the needles of 1-5 dials to stay within a target zone. Complex Attention records speech and accuracy at indicating if the sum of three single digits is odd or even. Simultaneous Multiple Attention records success at determining when moving stimuli surround a target colored block. Joystick input is used and data is collected for all programs.

A color monitor is required to run Foundations II. The price is $150.00 for Apple and Atari versions, and $175.00 for the IBM version.

Product Name: Fun With Math

Vendor: Access Unlimited-SPEECH Enterprises

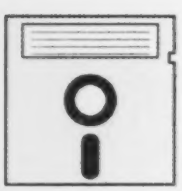
Computer: Apple II+, Apple IIe

Manual Form: Printed Manual

Cost: $40.00

Fun With Math is a program that teaches math through the use of ten games. The games may be run with just the screen display, or may be run with both the screen display and a speech synthesizer for voice output. The program is designed so that no distracting sound effects will be generated and no graphics characters will be spoken through the speech synthesizer.

Fun With Math requires an Apple IIe or II+ with at least 48K of memory and one disk drive. An Echo speech synthesizer is required for voice output. Contact manufacturer for details regarding math concepts that are covered.



Product Name: Function Pictures

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form:

Cost: $99.50

Function Pictures is a two-level program for cognitive training based on the use of pictures. The first level is a picture identification task requiring users to correctly match a picture with a prompt (e.g., "Find the hotdog.") The second level is a function identification task. At this level, users must correctly determine the function of a picture displayed on the screen by matching a picture with a prompt (e.g., "Which one swims?"). Responses are made by pressing the space bar and return key. Rewards are both visual animation and auditory reinforcement; pictures are displayed in color when a color monitor is used. The program stores performance data and prints progress reports to the screen or to a printer.

Product Name: Further Adventures of Jimmy Jumper - Perseverance

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form:

Cost: $39.95

Further Adventures of Jimmy Jumper - Perseverance is a story presentation program designed to teach self-esteem and self-confidence. The program focuses on a small rabbit, Jimmy Jumper, who unlike the other rabbits cannot climb to the top of a dirt hill. Although the other rabbits tease Jimmy, he is also encouraged to persevere. Finally, Jimmy does make it to the top of the hill.

The program runs on an Apple II computer with at least 128K of RAM. Use of an Echo II speech synthesizer is optional. The program is available on either a 5.25" or 3.5" disk.

Product Name: Gateway Stories

Vendor: Don Johnston Developmental Equipment

Computer: Apple Macintosh Plus, Apple Macintosh SE/II

Manual Form:

Cost: $125.00

Gateway Stories is a HyperCard software program for reading stories in HyperCard format. The program uses MacinTalk to speak the stories through the Macintosh speakers or external speakers. The stories, designed for young children, include on-screen buttons for going forward and backward, reading the current page, or quitting. Buttons are selected using a mouse or adapted joystick.

The program consists of four disks with eight stories. The adapted joystick is sold separately; contact manufacturer for details.

Product Name: Geometric Figures and Spatial Concepts

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Geometric Figures and Spatial Concepts is a simple educational program with voice output. Various shapes (rectangles, circles, triangles, stars, etc.) are presented on the screen. The student is prompted by the synthesized voice to identify them. An object is shown in a variety of positions (such as inside a box, outside a house, or on a line), and the program prompts the student to indicate the right position word. A running score is presented in the lower right-hand corner of the screen.

A speech synthesizer is required to run the program. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Getting Clean with Herkimer Level I, II, III

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple IIGS

Manual Form:

Cost: $45.00 - $100.00

Getting Clean with Herkimer Level I, II, III are educational software programs designed to teach the user about cleaniness and grooming. Level I has activities about bathing and showering. Level II has the user identify things which are not helpful in getting clean. Level III focuses on grooming, health care, and cooking items. All programs can be used with a single switch, TouchWindow, mouse, or space bar.

The programs are compatible with the Apple IIGS and require a speech synthesizer for sound output.

Product Name: GrammarPlay with Alps and Droops
Vendor: Optimal-Ed Learning Materials
Computer: Apple II Family
Manual Form: Electronic Manual, Printed Manual
Cost: $54.95

GrammarPlay with Alps and Droops is an educational program in game format, designed for use by dyslexic students. The student hunts for parts of speech in Grammarland, aided by Alps and thwarted by Droops. The ten learning games offered are: Subject Noun Hunt; Verb Hunt; Preposition Hunt; Prepositional Phrase Hunt; Adjective Hunt; Adverb Hunt; Pronoun Hunt; Mixed Practice with Subject Nouns; Verbs and Prepositional Phrases; Mixed Practice with Adjectives; Adverbs and Pronouns; and Mixed Practice with all the Basic Parts of Speech. Games increase in difficulty, and each game emphasizes particular phonic patterns. For variety, four game board configurations are able to be selected. One to four people can play at a time.

Product Name: Grocery Store Words
Vendor: Conover Company
Computer: Apple II Family, IBM PC Family
Manual Form:
Cost: $659.00

Grocery Store Words is a computer software program which helps the user prepare for making up a shopping list and going to the store. The program includes 250 words which are divided into the following categories: departments, shopping items, breads/grains, condiments, convenience foods, diary/beverages, desserts/snacks, fruits/vegetables, household, meat/fish, and personal care. Both words and pictures appear on-screen for each item.

The program includes 26 disks, an administration manual, 6 workbooks, and a laminated shopping list. Apple II, IBM, network, and hard drive loadable versions are all available. A disk drive and speech synthesizer are required for all.

Product Name: H:2 Handicapped Arithmetic Flash Cards

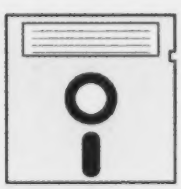
Vendor: E. David & Associates

Computer: TRS-80 Model III

Manual Form: Printed Manual

Cost: $24.95

H:2 Handicapped Arithmetic Flash Cards is a math practice program for persons unable to type on a standard keyboard. The program provides seven units with practice in simple addition, subtraction, and multiplication. Several input methods can be used with this program include a joystick or mouse.



Product Name: Hierarchical Attention Training

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $99.50

Hierarchical Attention Training is a training program for increasing attention skills. The four areas covered are Focused Attention (user presses the space bar each time a specific visual stimulus appears; stimuli are single digits or letters, or sequences of three numbers or letters), Selective Attention (same as Focused Attention, except that a constantly changing visual background is used to create distraction), Alternating Attention (the visual stimulus changes, from odd to even numbers, numbers less than to greater than 10, letters before M to after M, and letter sequences), and Divided Attention (same as Alternating Attention, with the additional requirement of keeping track of number of stimuli presented). Features include reaction time measurements, saving and printing of progress reports, and modification of difficulty level of lessons.

Specify type of computer and disk size (5.25" or 3.5" disk) when ordering. IBM version requires CGA, VGA, or EGA graphics; Apple version requires 128K of memory and an 80 column card.

Product Name: Holidays
Vendor: Sunset Software
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $52.95

Holidays is a special topic vocabulary training program to teach the names of twelve holidays. The program presents drawings representing a holiday, and user is asked to enter the holiday or any other teacher-specified target word. Task cues such as letter cues, multiple choices, modeling, and copying words are adjusted by the program to match user skill level. Program also saves and analyzes user performance, and can produce homework based on user mistakes. Program is operated from keyboard input.

Product Name: Homographs
Vendor: Parrot Software
Computer: Apple II Family, IBM PC Family
Manual Form:
Cost: $99.50

Homographs is a software program for teaching language skills by targeting words with multiple meanings. Two types of lessons are included. The first type presents two sentences, each of which may be completed by the addition of the same word; the user is asked to guess and enter the word that will complete the sentence. The second type presents two definitions and asks the user to enter the word that fits both definitions. Ten graded lessons for each lesson type are included. Progress is stored and may be retrieved for report generation. Lessons may also be printed.

Specify type of computer and disk size (5.25" or 3.5") when ordering. The IBM version requires CGA, VGA, or EGA graphics; the Apple version requires 128K of memory and an 80-column card.

Product Name: Homophones

Vendor: Parrot Software

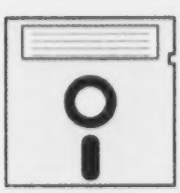
Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $99.50

Homophones is a software program that teaches language skills by targeting words that sound the same but have different meanings. The user is first presented with a word and asked to supply another spelling that sounds the same. Next, two sentences are presented with the target words omitted; the user is asked to type the correct spelling into each sentence. Fourteen graded lessons are included on each disk. Progress is stored for later retrieval. Lessons may also be printed.

Specify computer and disk size (5.25" or 3.5") when ordering. The IBM version requires CGA, VGA, or EGA graphics; the Apple version requires 128K of memory and an 80-column card.



Product Name: Human Being Machine

Vendor: R.J. Cooper & Associates

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.00

Human Being Machine is a pair of software programs that permits an amusing body or face to be created. The two programs are Bodybuilder, which allows pictures of bodies to be built using a switch or touch screen, and Looney Goonies, which allows the user to build and animate faces using a switch or touch screen. The bodies and faces may be printed on a variety of printers; contact manufacturer for specific compatibility information.

The software is distributed as shareware; after ten free trial uses, the user must call the manufacturer to arrange payment and receive a password that enables continued use of the disk.

Product Name: I Can Talk
Vendor: Soft Cole
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $74.95

I Can Talk is a program designed to teach scanning selection for communication. The program has a communication option and a teaching option. In the communication mode, the screen is divided into a grid of sixteen squares, each containing a word and a picture representing that word. A cursor scans through the squares, and the student makes selections by activating a single switch plugged into the game port of the Apple. When the selection is made, a speech synthesizer speaks a phrase pertaining to the word. In the teaching mode, the speech synthesizer speaks a phrase and the student must choose which of four words (with pictures) matches the phrase.

A compatible speech synthesizer (Echo or Cricket; see entries) is required to run I Can Talk. The manufacturer will add custom words and pictures to the program at additional cost.

Product Name: IBM THINKable/2
Vendor: IBM Corporation
Computer: IBM PS/2 Family
Manual Form:
Cost: $1,495.00

THINKable/2 is software designed for cognitive rehabilitation. The program uses photo-like graphics and sound to provide the user with stimuli. The program has four levels of difficulty which each have drills for specific cognitive skills. Visual Attention has the user recognize the beginning and end of stimuli; Visual Discrimination focuses on identifying and responding to stimuli as well as discriminating between targets and foils; Visual Memory tests memory skills for developing visual association, the ability to disregard distractors, and the storage and recall of multiple units of information; Visual-Sequential Memory has the user remember stimuli in proper sequence and develop the ability to disregard distractors. THINKable/2 also has a case management module which provides data collection, analysis, and reporting.

THINKable/2 is compatible with the IBM PS/2 and PS/1 computers; the program uses touch-sensitive monitor capability or mouse accessible menus for input. THINKable/2 requires an M-Audio Capture and Playback Adapter, and one expansion slot.

Product Name: Idioms in America

Vendor: Communication Skill Builders

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $39.95

Four-word idiom lessons each present ten idioms with their meanings. Students read the idiom in a sentence, read its definition, and then create original sentences using that idiom. The sentences can be printed out, or the computer can say the sentences if an Echo speech synthesizer is used.

Comprehension can be checked with two multiple choice quizzes that correspond to the lessons. The program presents an idiom in a sentence and then gives the student four possible meanings. Positive feedback is given for correct answers, corrective feedback for errors. Program is operated using keyboard input.

Product Name: If You're Happy and You Know It

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

If You're Happy and You Know It is a computer program with an overlay for the nursery school song. Pressing one of the six pictures on the overlay causes an associated verse of the song to be "sung" by the computer.

A speech synthesizer, color monitor, and PowerPad are required; for the Macintosh, an Apple IIe emulation card and IntelliKeys are also needed.

Product Name: Inferential Naming for Cognitive and Language Disorders

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form:

Cost: $99.50

Inferential Naming for Cognitive and Language Disorders is a computer program for teaching naming and reasoning skills. Blanks representing a word are placed on the screen. The user may request up to five hints, each of which reveals a relevant semantic feature: category, function, location, size/shape/color, and one other prominent feature. The user then types in the word. Ten lessons are included; the clinician may create additional lessons. Lessons may also be printed out.

Memory requirements are 128K (Apple) or 256K (IBM). Specify computer and required disk size (3.5" or 5.25") when ordering.

Product Name: Information Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $209.00

Information Signs is a four-disk microcomputer program that teaches 40 signs which are essential for community living. The disks cover common information signs (e.g., "Admission," "For Rent," "Hospital," "Self Serve"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, plus an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

The program includes 4 disks, an administration manual, and 6 workbooks. An Apple II system with at least 64K of memory, one disk drive, and an appropriate speech synthesizer are required. A color monitor, joystick, and printer may also be used with the program. IBM, network, and hard drive loadable versions are also available.

Product Name: Initial Phoneme Cuing for Aphasics

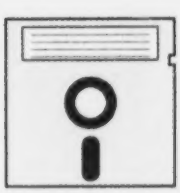
Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $99.50

Initial Phoneme Cuing for Aphasics is a program designed to teach aphasic clients initial letter recall. The program begins by providing keyboard practice, then three levels of operation follow, each with tutoring after errors. The first level requires the user to supply the first letter of the correct word from three words on the screen. The second level requires the user to supply only the correct letter when three choices are displayed. At the third level, the user supplies the first letter of the picture name in the absence of any clues. Eleven letters are used, each with unambiguous graphemic-phonemic correspondence. Each lesson is followed by a test to check mastery and transfer. Progress from each user is stored on the disk and is available as a report to the screen or a printer.



Product Name: Interaction Games

Vendor: Don Johnston Developmental Equipment

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $65.00

Interaction Games is a set of nine switch operated games designed to teach cognitive, early academic and switch operation skills. The games allow players to experience competitive or team play through single switch input. Various skills are covered, including vertical and horizontal scanning, letter recognition, and the basic visual-motor skills involved in use of switches. The most complex game is "Scancentration," a scanning version of Concentration. In some games directions are provided via synthesized speech.

Two switches, a switch interface for the computer, and an Echo speech synthesizer are required to use Interaction Games. A minimum of 64K of memory is also required.

Product Name: Interaction Games II
Vendor: Don Johnston Developmental Equipment
Computer: Apple IIGS, Apple IIe
Manual Form:
Cost: $65.00

Interaction Games II is a set of six software activities designed to teach cognitive, early academic, and switch operation skills. The program uses functions and parameters to change the user's name, select regular or step scanning, and control the rate of scan. The games provide cooperative and competitive activities for switch users. The activities include Horse Race, Match & Win, Slap Jack, and Mountain Climber.

Product Name: Job Readiness Series
Vendor: MCE
Computer: Apple II Family, IBM PC Family
Manual Form: Printed Manual
Cost: $249.95 - $369.95

Job Readiness Series is a vocational training program that helps teach job readiness skills and behaviors in four different programs. Job Attitudes: Assessment and Improvement evaluates and recommends ways to improve attitudes for job success. Filling Out Job Applications leads users step-by-step through completing a job application. Successful Job Interviewing teaches users tips on how to plan and implement a successful interview. Resumes Made Easy uses a conversational style to motivate students to think about and develop their resumes.

Reading level of the programs is rated grades three to four, while the interest level is rated grade nine to adult. A single set of all four programs may be purchased for $249.95 or a five pack for $369.95.

Product Name: Job Success Series

Vendor: MCE

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $249.95 - $369.95

Job Success Series is a set of educational software programs designed to help users succeed at their jobs. The set includes: Your Personal Habits, Your Work Habits, First Days on the Job, Looking Good, and Your First Job. Each program also includes an instructional guide for teaching suggestions as well as prerequisite skills, goals, and behavorial objectives. The four programs are written for a 4th-5th grade reading level and a 10th grade-adult interest level.

One set of the disks may be purchased for $249.95 or a five pack of the set for $369.95.

Product Name: Join the Circus

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $49.95

Join the Circus is a computer program designed to train use of a single switch. Four levels of play are included. The first level allows the user to hit the switch and watch a circus act from start to finish. The second level requires two switch activations: one to start the act and one to see the finale. The third level requires the student to touch the switch after each on-screen action. The fourth level allows play by two users taking turns. Options include a green light to provide a visual cue to hit the switch, an auditory cue to hit the switch, and action delay for users who need time to refocus attention to the monitor after hitting the switch.

Three circus acts are included in the program. An Echo speech synthesizer, switch interface, and single switches are required to use Join the Circus.

Product Name: JOKUS Software
Vendor: Don Johnston Developmental Equipment
Computer: Apple Macintosh Family
Manual Form:
Cost: $65.00 - $125.00

Jokus Software is a collection of educational software programs. The programs do not require reading skills but rely on both graphics and sound. The programs each have an instructor's menu so that the settings of the program can be adjusted for the individual user. Once the start icon on the instructor's menu is clicked the program is handed over to the user.

The activities all accept a variety of input devices and names include: The Camelephant, Faces, ToyStore, Hit'n Time, and aMAZEing ways. Jokus Software is compatible with all color Macintosh computers.

Product Name: Joystick Mastery
Vendor: ComputAbility Corporation
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $249.00

Joystick Mastery is a simulation program intended to teach control of joystick-equipped wheelchairs. The program consists of six programs, of varying difficulty, that cover changing directions and avoiding obstacles. A user data management file and a joystick are included.

Product Name: Joystick Trainer

Vendor: R.J. Cooper & Associates

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.00

Joystick Trainer is a computer program that contains nine activities intended to train wheelchair users in the skills necessary to operate an electric wheelchair. The disk starts with simple exploratory activities for gross movement and cognitive awareness, moves through initial proportional path-oriented tasks, and graduates to maze games for fine control. As the user's skill level increases, incrementally more challenging tasks are presented.

An Apple II with 64K of memory, one disk drive, and a joystick are required. A color monitor is recommended. The software is distributed as shareware: after ten free trial uses, the user must call the manufacturer to arrange payment and receive a password that enables continued use of the disk.

Product Name: Kennedy Handi-Math Program

Vendor: Kennedy Day School/Franciscan Children's Hospital

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $100.00

The Kennedy Handi-Math Program provides children with multiple disabilities with a computer-based developmental math curriculum, encompassing skills from counting through simple division. It turns the computer screen into a flexible work space for students who are unable to utilize a pencil and paper due to physical/motor limitations. It enables the student to direct cursor movements, top-to-bottom and left-to-right, as they compute problems which require regrouping. This provides the student with a problem solving experience with the ability to delete and manipulate on-screen information and activity. There are 42 teacher determined parameters available within the software to individualize the reinforcement schedule, visual and auditory feedback, large or small character size, user-input requirements and level of difficulty.

Product Name: Keyboarder

Vendor: Sunset Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $32.95

Keyboarder is a program designed to teach the position of letter and number keys on the computer's keyboard. Sound and large-size characters are used. An image of the keyboard appears on the screen, and the user is prompted to select a certain letter. Incorrect responses elicit a cue showing the location of the correct response. Contact manufacturer for details regarding description of the type of prompts, and types of reinforcement for answers.

Product Name: Keyboarding for the Physically Handicapped

Vendor: Glencoe/McGraw-Hill

Computer: Apple II Family, IBM PC Family, TRS-80 Model III, TRS-80 Model IV

Manual Form:

Cost: $520.00

Keyboarding for the Physically Handicapped is a touch-typing tutorial program for people with disabilities. The program provides the user with many options for combinations of fingers on either or both hands to be used during typing. Each option contains a chart showing which fingers to use for the home-row keys and which to use to reach other keys. Separate speed tests and drill materials help the user to build keyboard typing skills.

Keyboarding for the Physically Handicapped is available for the Apple II series with 128K, the IBM-PC, and the TRS-80 Model III or IV.

Product Name: Keyboarding Program with Voice Output

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Keyboarding Program with Voice Output is a program that uses synthesized voice to teach the position of keys on the computer keyboard. In the first phase the student can press any key and the computer will speak the letter for that key. In the second phase, the program prompts the student to type a particular letter. The program prompts in either alphabetic or random order. In issuing instructions, the program addresses the student by name. A running score is presented in the lower right-hand corner of the screen.

A speech synthesizer is required to run this program. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Keyboarding with One Hand

Vendor: ComputAbility Corporation

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $149.95

Keyboarding with One Hand is a program that instructs and drills an individual with use of only one hand in efficient keyboarding. The program allows full printout. After mastery of the first ten lessons, the basic elements of word processing are introduced. The user is able to type, save, recall, and print with this program.

Keyboarding with One Hand consists of two disks, one containing instruction material, another containing a series of drills, timed tests, and basic word processing programs.

Product Name: Keys to Success: Comp. Keybd. Skills for Blind Children

Vendor: Life Science Associates

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $35.00

Keys to Success: Computer Keyboard Skills for Blind Children is a voice output program to help blind and partially sighted children learn the computer keyboard layout. Program includes keyboard tutorial, keyboard practice, timed keyboard practice, and a timed game for two players.

System requires an Echo II for voice output capabilities.

Product Name: Keytalk

Vendor: PEAL Software

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $99.00

Keytalk is a beginning literacy program designed to teach students with physical or mental disabilities to structure spoken language by using a computer to read and write. The student is encouraged by the teacher to spell out the names of objects or activities he is interested in as a way of communicating those interests. As the student enters letters on the keyboard, they appear on the screen and a speech synthesizer speaks them aloud. Words and sentences can be spoken by pressing the space bar, or sentences can be heard by putting in punctuation marks. Results can also be printed. The six command options--Talk, Print, Save, Find, New, and Dictionary--are constantly shown on the screen. Keytalk can function as an electronic communication aid as well. An Exception command permits teachers to correct mispronunciation.

An Adaptive Firmware Card is required for the option of operation with the Unicorn Expanded Keyboard (both extra). An Echo speech synthesizer, appropriate to the model of computer used, is required.

Product Name: Kidsview

Vendor: Kidsview Software, Inc.

Computer: Commodore 128, Commodore 64

Manual Form: Large Print Manual

Cost: $39.95

Kidsview is a program that provides large print on the computer screen. Kidsview is primarily designed to be a development and display tool: the user can write and run programs with large print displayed on the screen. Characters appear 5/8" in height on a 14-inch monitor, and 1-1/4" in height on a 25-inch monitor.

Kidsview is not designed for access to standard commercial software, but some commercial programs can be run with large print using Kidsview. Kidsview supports the Muppet Learning Keys keyboard (see entry). The Kidsview manual is in large print.

Product Name: Kidsword

Vendor: Kidsview Software, Inc.

Computer: Apple II Family, Commodore 128, Commodore 64

Manual Form: Large Print Manual

Cost: $39.95 - $49.95

Kidsword is a large character word processor. The operation of the program is designed to be simple enough for children. Text characters appear 5/8" high on a 14" monitor; 1-1/4" high on a 25" monitor. Ten lines of text appear on the screen at a time, along with two color-coded status lines. The character and background colors can be adjusted. The program can generate large print on compatible printers as well. The Kidsword manual is in large print.

Kidsword is $39.95 for the Commodore version and $49.95 for the Apple version.

Product Name: Large Character Toolkit

Vendor: Kidsview Software, Inc.

Computer: Apple II Family

Manual Form: Large Print Manual

Cost: $49.95

Large Character Toolkit (LCT) is a development and programming computer software program which allows teachers and clinicians to produce programs that feature quadruple size characters. LCT permits customization of color, window sizing and large character printing, and features other utilities.

LCT can be used to create programs and modify existing programs. It will not provide large print output for commercial programs. Some programming experience is necessary to use LCT. LCT runs on Apple computers with at least 48K of memory.

Product Name: Laryngograph

Vendor: Kay Elemetrics Corporation

Computer:

Manual Form: Printed Manual

Cost: $1,795.00

Laryngograph is an device that detects and processes laryngeal characteristics of a person's voice. The laryngograph can in turn be interfaced with a microcomputer to display and print these voice patterns. The user places two transducers (vibration detectors) against the larynx and speaks. The transducers are designed specifically to pick up and record movement of the cords, and the opening and closing of the vocal folds, independent of extraneous acoustic noise and the qualities of the resonance tract. The system detects the complete pattern of vocal fold closure in each vibrating cycle, including closure duration and completeness, closure velocity, and coordination (sharpness) of the closure event. The trace of these events (the EGG waveform) is generated, and can be transmitted to the computer or to an oscilloscope for display.

In order for the waveforms to be displayed on the computer screen, an interface unit and appropriate software are required. The Laryngograph works with the Visi-Pitch system, Computerized Speech Lab (CSL), RLS Videostroboscopy, and other systems (also from Kay Elemetrics).

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Product Name: Learn to Scan
Vendor: Don Johnston Developmental Equipment
Computer: Apple IIGS, Apple IIe
Manual Form: Printed Manual
Cost: $60.00

Learn to Scan is a computer program designed to teach the elements of scanning with a single switch. Eight activities with speech feedback are included. The beginning level activities are designed to teach alignment of the cursor with a target. The intermediate levels involve moving a cursor to match items according to color, shape, and size. At the highest level, the learner moves the cursor to respond to matching tasks that require vocabulary recognition and matching. Performance level information can be obtained after each activity.

An Echo speech synthesizer, switch interface, and single switch are required to run Learn to Scan.

Product Name: LEARN-PC
Vendor: LEARN-PC
Computer: IBM PC Family
Manual Form:
Cost: Contact manufacturer

LEARN-PC publishes software training materials which include videotapes, printed manuals, and practice software. Training videos include closed captioning for users with hearing impairments. Materials are available for a variety of software applications include word processing, spreadsheets, databases, and desktop publishing. Contact manufacturer for a complete listing of available materials.

Product Name: Learning the Alphabet

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Learning the Alphabet is an educational program with synthesized voice output. In the first phase of the program a single letter is presented occupying the full screen and spoken by the synthesizer. Associated with the letter is a word beginning with that letter. In the second phase of the program a particular letter is presented and spoken, and the student is asked if the letter has been identified correctly. The student makes a yes/no decision using two switches. In this phase of the program the letters are presented in random order. A running score is displayed in the lower right-hand corner of the screen.

A speech synthesizer is required to use this program. Contact the manufacturer about connecting switches to the computer. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Learning to Reason

Vendor: MCE

Computer: Apple II Family

Manual Form:

Cost: $59.95 - $139.95

Learning to Reason is a set of three educational software programs designed to improve logical reasoning skills. The programs are True or False? (which has the user think about the validity and truth of statements); Puzzlers (which presents increasingly difficult problems requiring sequencing and reasoning skills); and Some, All, or None? (which discusses the relationship between objects in a set and the concepts of some, all, and none). All programs are written for a 2-3 grade reading level and a 2-5 grade interest level.

Programs may be purchased singly for $59.95 each, in five packs of one program for $89.95, or single copies of all three programs for $139.95.

Product Name: Learning to Spell Braille Signs
Vendor: Exceptional Teaching Aids
Computer: Apple II Family
Manual Form:
Cost: $34.00

Learning to Spell Braille Signs combines voice-output computer software with hard copy braille to teach students how to spell braille signs. There are nineteen lists of signs and each list contains ten signs. The student can choose to work on any number of signs within a list. The package includes a clearly written print manual, the program disk (5-1/4" disk), a braille student workbook, and a recorded tour of the program on cassette.

An speech synthesizer is required to use Learning to Spell Braille Signs.

Product Name: Let's Go Shopping I and II
Vendor: UCLA/LAUSD Microcomputer Project
Computer: Apple II+, Apple IIGS, Apple IIe
Manual Form:
Cost: $35.00 each version

Let's Go Shopping is a switch training computer game program for one to four players. The players select items that would be sold in a given store using a switch or TouchWindow. Let's Go Shopping I presents items for a toy store or grocery store; Let's Go Shopping II presents items for a clothes store or pet store.

A speech synthesizer, color monitor, and single switch are required; for the Macintosh, an Apple IIe emulation card is also needed.

Product Name: Letter Find

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $19.95

Letter Find is a training program to teach young children with visual impairments the position of keys on the keyboard. The teacher can define a range of letters or numbers for the children to find and place, and decide whether the program should proceed through that range of letters in alphabetical or random order. The computer provides verbal prompts of correctness of answers, and collects data on number of correct answers. The program also includes auditory addition drills.

The program uses an Echo II speech synthesizer. Manufacturer recommends that braille labels be applied to keys for easier access.

Product Name: Listen and Spell

Vendor: Exceptional Teaching Aids

Computer: Apple II Family

Manual Form:

Cost: $24.00 - $44.00

Listen and Spell is an educational software program designed to improve the user's spelling ability. Using an Apple II computer and an Echo II speech synthesizer (extra), the program "speaks" a word and prompts the user to type it correctly. The program provides up to 400 words from which to choose; it gives the user twenty lists of words that each contain twenty words. An advanced version of this program, Listen and Spell 2000, provides up to 2000 words for spelling exercises; it uses the same equipment and format.

Listen and Spell includes one 5.25" disk, a user's manual, a listing of the 400 words, and a recorded tour of the program on cassette tape; it is sold for $24.00. Listen and Spell 2000 includes two 5.25" disks, user's manual, cassette tour, and list of words; it is $44.00. These programs are sold separately.

Product Name: Living Alone
Vendor: MCE
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $69.95

Living Alone is a personal skills tutorial computer program. It is low vocabulary software program that exposes users to daily living issues which they may face when living alone. Topics such as budgeting, finding a place to live, and living alone or with a roommate are addressed. The program consists of one disk, a backup disk, and an instruction guide.

Product Name: Logo TouchTools for the PowerPad
Vendor: Dunamis, Inc.
Computer: Apple IIGS, Apple IIe
Manual Form: Printed Manual
Cost: $29.95

Logo TouchTools for the PowerPad is a collection of demonstration programs designed to help users adapt and enhance Terapin LOGO 2.0 or above. The TouchTools are designed to given persons with a wide variety of visual, motor, and cognitive skills access to the computer. The programs allow the PowerPad (see separate entry) to be used as an alternative keyboard for several applications, including single keystroke LOGO, letter, shape, and number identification activities, and access to synthesized speech.

The Apple IIe uses a special configuration for speech output, which includes a super-serial card, Votrax Personal Speech System, and cable to hook Votrax up to the card. Contact manufacturer for compatibility and cost information.

Product Name: MacSpeech Lab

Vendor: GW Instruments

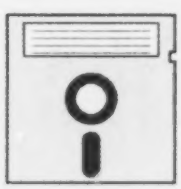
Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $4,990.00

MacSpeech Lab is a hardware and software package for the Apple Macintosh which allows speech patterns to be displayed graphically. A hardware unit (MacADIOS) accepts the incoming audio signal and translates it into a digital signal. The software translates this signal's various characteristics into graphic representations on the computer screen. Viewing options include: wide and narrow band spectrograms (showing progression of frequency spectra with time), spectra displayed in fast Fourier transform (FFT) plots, fundamental frequency (variation of vibration of the larynx in an utterance), and multiple window viewing of several displays simultaneously. The user can edit, save, delete, play, append, amplify, zero, offset and normalize segments of an utterance. Utterances can be saved to disk and graphic displays printed out on an Apple Imagewriter or Laser Writer.

MacSpeech Lab is available ($4,990.00) for Macintosh II models. The MacADIOS voice input/ouput hardware is required in order for the MacSpeech Lab software to function.



Product Name: Magic Slate II

Vendor: Wings for Learning/Sunburst Communications

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $65.00 - $516.00

Magic Slate II is a word processing package with three levels of proficiency, each corresponding to a different character mode appearing on the screen and in printouts. The easiest level has large print characters in 20-column mode. The other two levels feature standard size characters in 40- or 80-column. Non-deletable text can be placed in files. Printing capabilities include near-letter quality, and multiple files can be printed from one disk. Magic Slate II has also been designed for use with a modem.

A 128K Apple is required to run Magic Slate II, and an Apple IIe with an 80-column card, a IIc, or a IIGS are required to run the 80-column level of the program. The 20-column, 40-column, and 80-column versions are available separately, with supporting Teacher's Guides, for $65.00 each; a 20-, 40-, or 80-column version for an Appleshare or Corvus network is $260.00; a version with all three levels for a single-user is $129.00; a three level version for a network is $516.00. Magic Slate may be updated to Magic Slate II at no charge.

Product Name: Make It Happen

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $60.00

Make It Happen is a cause/effect computer program designed to train use of a single switch. The program includes eight activities: The Clock, House Painter, Ferris Wheel, Jackpot, Busy Bee, Dot to Dot, Robot, and Hopscotch. Parameters include adjustable scan rate, on-screen visual clues, and data collection.

An Echo speech synthesizer, a switch interface, and a single switch are required to use Make It Happen.

Product Name: Make It In Time

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $60.00

Make It In Time is a computer program that teaches skills associated with using a single switch in a time-dependent situation. The program is a collection of eight activities in which the user needs to hit the switch at a specific point in time to successfully complete the task. Activities include: Money in the Bank, Puddle Jumper, Make That Kick, and Bowling Like a Champ.

An Echo speech synthesizer, switch interface, and single switch are required to use Make It In Time.

Product Name: Make It Scan

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $60.00

Make It Scan is a software program with six switch use training games. The user may choose from multiple scanning options. Games include Bowl-A-Rama, Roll-A-Ball, Good Dog, Pinball, Walk About, and Park It. The program is intended to teach choice making and timing skills. Data collection capability is included.

Product Name: Mastering Personal Information (MPI)

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $99.50

Mastering Personal Information (MPI) is a software program to train persons with cognitive impairments to recognize and write basic information such as name and address. The program has three levels of operations. The first level of difficulty requires clients to copy the target word letter by letter. If any errors occur, the client is given unlimited chances to correct each error. The next level of difficulty is revisualization, where the entire target response is presented and then masked. After the response is masked, the client copies the target response. If errors are made, the entire target is presented and then masked again. At the highest level, the client is expected to recall the spelling of familiar materials; if any errors occur, individual letters are tutored.

Product Name: Math Made Easy

Vendor: Job Oriented Training, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Manual Form:

Cost: $100.00

Math Made Easy is mathematical instruction program designed for individuals with learning disabilities. The program has six units: addition, subtraction, multiplication, division, fractions and decimals. Each unit is broken down to at least five different levels of increasing complexity. Instructional screens accompany every level to explain new concepts and calculations. There are over 1,500 different exercises for users to practice their skills on, along with help screens for any mistakes made. Math Made Easy comes with a work book containing about 600 more questions, answers, a glossary, multiplication tables and keyboard instructions. A user manual is also included. Some of the package's special features are: a limited number of keys in use, access to instructional screens at any time, a network version, and large print words and numbers.

Product Name: Math on the Job

Vendor: Conover Company

Computer: Apple II Family

Manual Form:

Cost: $59.95 - $1,695.00

Math on the Job is a vocational exploration and assessment program. This series is designed to help students make the school-to-work transition by giving them an opportunity to explore careers, practice basic math skills related to selected vocations, and access diagnostic and remedial related math information. The program is also designed to help educators integrate basic math and problem-solving skills into career exploration activities.

Math on the Job is available in printed and software forms. Reading levels for both versions are at a 4.0 grade level. The software version is available as a complete system or by individual career areas. The complete system ($1,695.00) includes thirty-three disks, thirty-one student guides, management system, and a teacher guide. Individual areas ($59.95 each) include one disk, a student guide, and a teacher guide. Apple, IBM, network, and hard drive loadable versions are available.

Product Name: Math Scratchpad I
Vendor: Zygo Industries, Inc.
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $60.00

Math Scratchpad I is a screen editing program which allows the screen of the computer to be used as an "electronic paper and pencil." The program allows the cursor to be moved to the appropriate place in a calculation more easily than would be possible with standard cursor movement. Simple routines for addition, subtraction, multiplication, and division are provided, along with mathematical equations. The information can be printed exactly as it appears on the screen, and "help" screens are available at any time.

Product Name: Math Scratchpad II
Vendor: Zygo Industries, Inc.
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $60.00

Math Scratchpad II is a screen editing program for advanced mathematics. The program allows the computer screen to be used as an "electronic paper and pencil," providing cursor movement that is specially adapted to the circumstances of mathematical calculations. Greek characters and special math symbols for algebra, calculus, and statistics can be produced, stored on disk; and printed out.

Product Name: Maze

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $50.00

Maze is a recreation and training program that uses color, graphics, and sound to guide the user through a maze. Mazes may be designed by the user, or a teacher or parent. The user guides the cursor through the maze by pressing keys on the keyboard. If a voice synthesizer is used, the words "up," "down," "left," and "right" accompany selections.

Product Name: Medical Words

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $299.00

Medical Words is a computer program which teaches signs and words that are important in getting medical help and explaining illnesses. The program focuses on four types of words: hospital signs, symptoms, ailments, and treatments. When pictures and words are correctly matched, the words are spelled out on-screen and appear with an appropriate graphic scene. Medical Words has an instructional segment, a unit review, a generalization probe, and an evaluation segment.

The program includes 9 disks, an administration manual, and 6 workbooks. Apple II, IBM, and network versions are available. All require a speech synthesizer and disk drive.

Product Name: Memory I

Vendor: Psychological Software Services, Inc.

Computer: Apple II Family, Atari 800, IBM PC Family

Manual Form: Printed Manual

Cost: $110.00 - $135.00

Memory I is a series of four different types of memory training programs. Spatial Memory asks users to learn an escape route from a concentric maze, where a correct guess advances the user and an incorrect one returns the cursor to the beginning. Verbal Memory (Sequenced Words) presents a series of words and asks the user to select the same words from an array of sixteen words, in the order that they were presented. Auditory Memory presents one or more tones that seem to slide up or down the scale and asks the user to reproduce the series of up/down combinations. Visual/Spatial Memory presents a symbol in a 5 x 4 matrix, then asks the user to recognize what symbol was seen from an array of ten symbols, and where on a blank array the symbol was presented.

Program requires a joystick to operate. The price is $110.00 for Apple and Atari versions, and $135.00 for the IBM version.

Product Name: Memory II

Vendor: Psychological Software Services, Inc.

Computer: Apple II Family, Atari 800, IBM PC Family

Manual Form: Printed Manual

Cost: $150.00 - $175.00

Memory II is a series of different memory training programs, an advanced version of Memory I (see entry). Spatial Memory (Objects/Locations) presents an array of 30 objects with a frame briefly around one or two objects; the user must recall and select the framed item. Visual Memory (Sequenced/Spatial) asks the user to recall which of twelve squares changed colors, first a single square change then a sequence of color changes. Recognition Recall 1,2,3 presents 19 objects for a clinician-set period of time (from a few seconds to over a minute), then asks the user to recall which pictures were seen from a list of 90 words. Verbal Memory (Categorizing) asks the user to categorize 20 words into one of four groups (such as foods, animals, colors), then after completion of task to recall as many of the twenty words as possible.

Programs require use of either keyboard or joystick. The price is $150.00 for the Apple and Atari versions, and $175.00 for the IBM version.

Product Name: Micro-LADS and Micro-LADS in French

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $165.00 - $775.00

Micro-LADS (Microcomputer Language Assessment and Development System) and its French version are each a series of seven diskettes designed to teach over 45 fundamental syntactic rules. Students are presented with two or three pictures (depending on the grammatical construction being trained), with optional speech and/or text, and asked to select the picture which represents the correct construction. Scan speed, response time, and criterion for ending the lesson can be adjusted, and animation can be turned on or off. A lesson summary and test performance results can be viewed on-screen or printed.

The Apple II versions ($165.00 - $750.00) require 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The IBM version ($175.00 - $775.00) requires 640K memory, a speech synthesizer, and a disk drive. A color monitor and TouchWindow (see entry) are recommended. Interface options include TouchWindow, a single switch, the keyboard, or a game controller.

Product Name: Mind Castle I and II

Vendor: MCE

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $59.95 - $179.90

Mind Castle I is an educational software program which encourages the use of basic logic and reasoning skills. The program has an adventure game format which prompts the user to explore the different rooms of a castle. In each room the user has to solve a different logic problem or puzzle. Mind Castle II uses a similar format to emphasize more advanced problem-solving methods as well as confidence in problem solving and decision-making.

The programs run on either IBM or Apple computers. The two programs are sold separately, each for $59.95; five packs of each program are $89.95.

Product Name: Minimal Contrast Therapy

Vendor: Parrot Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $99.50

Minimal Contrast Therapy is a treatment program for children with unintelligible speech. The user selects three phonological processes which contribute to a child's unintelligible speech. A series of minimal pairs are displayed on the screen in picture form. The child is then instructed to play a game in which he must move the target word into a box on the left side of the screen. He is informed that the picture will only move if he says the target word correctly.

Correct and incorrect responses are recorded by the computer and displayed in graphic form characteristic of a multiple-baseline design. Records of up to 12 clients may be kept on the disk at one time. The program was recently revised to include improved graphics. Users can send in old copies of the program with $15.00 to receive a new copy.

Product Name: Mix 'N Match

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $57.00

Mix 'N Match is a program designed to teach identification of objects by size, shape, and color. Sorting Fun teaches classification of objects by shape and color; Count the Shapes teaches identification by shape, color, and size; Match the Shapes teaches relationships between objects; and What Comes Next teaches patterns in a sequence. All four lessons have the options of switch input ("yes" and "no" responses) and synthesized voice reinforcement. A record-keeping system and keyboard overlays are also included.

A 128K Enhanced Apple computer and a color monitor are required to run Mix 'N Match. An Echo or Double Talk speech synthesizer is required for the voice output option. The PowerPad keyboard, Touch Window can be used as input devices for Mix 'N Match as well as other keyboards and switches. Backup copies of the program are available (extra).

Product Name: Money Box Software

Vendor: Keyboard Technology

Computer: Apple IIGS, Apple IIe

Manual Form:

Cost: $49.00

Money Box is a series of five computer program designed to introduce the user to money recognition. The programs have various levels of difficulty and can be structured to fit the user's abilities. The user can also practice addition, subtraction, and multiplication using Money Box.

The programs use the Matchbox 10 Keyboard (see entry), a special keyboard overlay, configured with snap-on keycaps with real coins glued to them. The keyboard has real coins on its keys so that the user can "pay" for items selected on the screen. The software and hardware are sold separately but used as a package.

Product Name: Money Matters

Vendor: MCE

Computer: Apple II Family

Manual Form:

Cost: $59.95

Money Matters is a tutorial program designed to teach knowledge and use of coins and bills. Concepts enforced includes using money, identifying and stating value of coins (penny, nickel, dime, and quarter) and bills (one, five, ten, twenty), counting money, and making change. The main menu may be accessed during any point in the program by pressing the escape key.

Product Name: Money Skills

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $57.00

Money Skills is a program for teaching identification of coins and bills, counting denominations and making change. The program deals with both U.S. and Canadian currency. The lessons can be set at increasing levels of difficulty. A built-in record keeping system is included. A variety of input options are available, including single switch scanning, hand controls, PowerPad (see entry), and Touch Window (see entry). A customized voice output option is offered as well.

A 128K Enhanced Apple is required to run Money Skills. In order to use the speech option, an Echo or Double Talk speech synthesizer is required. The various alternative control systems are purchased separately. Backup copies are available (extra).

Product Name: Motor Training Games

Vendor: Don Johnston Developmental Equipment

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $35.00

Motor Training Games is a set of 14 switch-operated games and formal activities designed to teach cognitive and switch-operation skills. The activites and games can be operated with a single switch. The main menu can be accessed at any point in the program by pressing the ESC key.

Motor Training Games can be used to develop skills needed to use Adaptive Firmware Card technology and switch-activated communication aids. A single switch and a switch interface for the computer are required to use Motor Training Games.

Product Name: Mount Murdoch

Vendor: Kidsview Software, Inc.

Computer: Apple II Family, Commodore 64, IBM PC Family

Manual Form: Large Print Manual

Cost: $39.95 - $49.95

Mount Murdoch consists of two software programs: Mount Murdoch and Kidsview Authoring System. Mount Murdoch is a menu-driven interactive fantasy game that uses large print characters. Kidsview Authoring System allows individuals to write their own large print games, adventures, and lessons; two sample games and game-building utilities are included. A manual printed in 18 point type is also included.

The Adventure System requires 128K of memory to run. Contact manufacturer for information on compatibility with specific Apples.

Product Name: Mouse in the Toy Box

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIe

Manual Form:

Cost: $65.00

Mouse in the Toy Box is a computer program with nine activities intended to train users to click and drag using a mouse cursor-control device. The activities involve moving a mouse on a runway, putting together a puzzle, and coloring shapes.

Product Name: Multisensory Curriculum

Vendor: Creative Learning, Inc.

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $69.95 - $2,200.00

Multisensory Curriculum is a set of twenty-nine lesson programs, designed to work with the keyboard, Adaptive Firmware Card, Touch Window and/or Echo speech synthesizers (see entries) to provide instruction in language, writing, and mathematics for non-readers. Each program has optional record keeping capabilities, enabling records to be stored on disk or printed (including bar charts). The programs can be set to run on different levels of difficulty and at different speeds, and automatic advancement of lessons can be turned on and off. These programs are designed for pre-kindergarten through third grade.

The entire Multisensory Curriculum, including the lesson programs and a Worksheet Generator for reproducing the lessons in hard copy form, is available for Apple computers at $1,900.00 and IBMs at $2,200.00. All modules are also available separately: Breakthrough to Language Vol. 1 (nine programs) is $500.00 and $580.00; Breakthrough to Language Vol. 2 (nine programs) is $560.00 and $650.00; Breakthrough to Writing (one program) is $159.95 and $169.95; Multisensory Math (11 programs) is $680.00 and $790.00; Worksheet Generator (one program) is $69.95 and $79.95.

Product Name: MY HOUSE: Language Activities of Daily Living

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $175.00 - $200.00

MY HOUSE: Language Activities of Daily Living is a functional language stimulation program. The program, which has speech output, includes six scenes which represent typical rooms of a house, and four activities within each room designed to improve the user's ability to understand and express everyday concepts. In the Discover Labels and Discover Functions activities, the user selects an object within the room, and the computer speaks its label or function respectively. In the Identify Labels and Identify Functions activities, the computer prompts the user to find various objects according to their label or function. Interface options include the standard keyboard, TouchWindow (extra; see entry) or a single switch (extra).

The Apple II or Macintosh version requires with 64K of memory, a monitor, an Echo II speech synthesizer (see entry), and a 5.25" disk drive. The IBM version requires 640K memory,a speech synthesizer, and a disk drive. A TouchWindow (see entry) and color monitor are recommended.

Product Name: MY SCHOOL: Language Activites of Daily Living

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $175.00 - $200.00

MY SCHOOL: Language Activities of Daily Living is an educational software program designed to teach students about the objects in their school environments. Students are presented with four activities: Discover Names, Identify Names, Discover Functions/Descriptions, and Identify Functions/Descriptions. These activities are placed in six school type settings: classroom, cafeteria, library, music-art room, playground, and hallway.

The program is available for Apple II computers for $175.00; IBM, Macintosh, and Apple IIGS versions are $200.00.

Product Name: MY TOWN: Language Activities of Daily Living

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $175.00 - $200.00

MY TOWN is educational software designed to acquaint the user with object names and their descriptions using familiar locations in a town. The program has four basic activities in six different settings. The activities include: discovering names (select an item within the scene on-screen and the program tells the user what it is), identifying names (program asks the user to find various items according to their names), discovering descriptions (select an item and the program gives a description of it), and identifying descriptions (program asks the user to find certain items according their description). Each of these activities can be explored within the context of graphics depicting a doctor's office, dentist's office, restaurant, park, city neighborhood, and suburban neighborhood. Over 100 objects can be located in the six settings.

The Apple II version ($175.00) requires 64K memory, a speech synthesizer, and a disk drive; the IBM version ($200.00) requires 640K memory, a speech synthesizer, and a disk drive.

Product Name: Nasometer

Vendor: Kay Elemetrics Corporation

Computer: Apple IIGS, Apple IIe, IBM-PC PC

Manual Form: Printed Manual

Cost: $2,750.00

Nasometer is a microcomputer-based system for measuring and providing biofeedback on nasalance problems. A pair of microphones, separated by a horizontal barrier, record separately the acoustic output from a speaker's nose and mouth. This information is then transferred to the computer. A software program on the computer displays the ratio of acoustic energy from the oral cavity to the nasal cavity. This ratio is designed to measure the degree of perceived nasality in the speaker's voice. The ratio can be displayed in different chart and graph formats, including a nasality level indicator with goal levels marked on it. Information displayed on the screen can also be printed out.

The complete system (apart from computer and printer supplied by user) consists of: the Nasometer input device (including microphones), a plug-in circuit card for the computer, Nasometer software, and the appropriate cables.

Product Name: Natural Language Processing Program

Vendor: Educational Audiology Programs, Inc.

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $79.00

Natural Language Processing Program is a language structure practice program which uses stories and short lessons to train semantic and syntactic rules within a natural language context. The program presents stories in dialogue form, followed by lessons which require supplying missing words in sentences based on the story text. The lessons give a sentence with a blank and choices of words for the blank, and the user has three options of type of response required: recognition mode, which is operated only by a few keys; recall mode, which uses keyboard to type in word responses; and recognition mode moving arrow, which allows responses by pressing only the space bar.

The NLP Program includes written text of the stories and lessons as well as the computer program and manual. The program includes capabilities for teachers to develop their own stories and lessons.

Product Name: Numeric Concepts I and II

Vendor: BrainTrain

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family, IBM PC jr, IBM PS/2 Family

Manual Form:

Cost: $149.00 - $249.00

Numeric Concepts I and II are two computer software modules developed for use as an introduction to eight basic numeric concepts. Three levels of difficulty are included. The puzzle-type format is used to help students understand numeric concepts and develop memory. Numeric Concepts I evaluates and teaches discrimination, combination, number line logic, and dimensions. Numeric Concepts II evaluates and teaches distinctions, ordinal numbers, sequence, and classification. Numeric Concepts I and II each contain four programs.

A computer with 64K (Apple) or 512K (IBM) of memory, one disk drive, and a color monitor are required. The programs may be run using either a joystick (extra) or the keyboard. Each program is $149.00; the two programs may be purchased together for $249.00. Contact manufacturer for information about lab pack prices.

Product Name: Occupations

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Occupations is a software educational program designed to teach the user about jobs in the community. The program can be used by one to four players and their task is to identify a fireman, teacher, police officer, gas station attendant, dentist, and doctor. On Level I, the user selects any community worker. On Level II, the user also chooses the correct environment for that worker.

The program runs on Apple IIe and IIGS computers as well as Macintosh LC or LCII. The program requires either the PowerPad or IntelliKeys for use.

Product Name: Old MacDonald's Farm I and II
Vendor: UCLA/LAUSD Microcomputer Project
Computer: Apple II+, Apple IIGS, Apple IIe
Manual Form:
Cost: $35.00 each

Old MacDonald's Farm is a pair of computer programs based on the nursery song. Old MacDonald's Farm I has three levels. In level 1, the child selects any animal from the PowerPad overlay. In level 2, the child selects the correct animal when prompted by its name. In level 3, the child selects the correct animal after hearing its sound. Old MacDonald's Farm II, which is intended to teach use of prepositions, has two levels. In level 1, the child is required to find an animal associated with a particular preposition. In level 2, the child identifies the preposition from a choice of three animal locations.

An Echo speech synthesizer, PowerPad, and color monitor are required.

Product Name: Ollie and Seymour
Vendor: Hartley Courseware, Inc.
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $49.95

Ollie and Seymour is a program that uses animated graphics to teach life skill activities such as pedestrian safety and avoidance of strangers or stray animals. A simulated neighborhood is presented on the computer screen. The user moves the character of Bobo through the neighborhood, using either a joystick or the cursor ("arrow") keys on the keyboard. Seymour encounters a variety of situations as he searches the neighborhood looking for his monkey. Skills reinforced include: looking both ways before crossing, understanding red, green and yellow lights, reading WALK/DON'T WALK signs, crossing only at crosswalks, stopping for emergency vehicles, map reading, reading danger signs, and responding to directions from policemen. In addition to the "Monkey Hunt" program, two other programs are provided ("Ship Shapes" and "Shape Playground") which help reinforce shape discrimination, memory, counting, and visual-motor acuity skills.

All activities in Ollie and Seymour can be played using the the cursor keys and space bar.

Product Name: Optimum Resource Reading Program

Vendor: Optimum Resource, Inc.

Computer: IBM PC Family

Manual Form:

Cost: $2,995.00

The Optimum Resource Reading Program is a software-based system of reading instruction specifically designed for students with reading disabilities. The program consists of nine modules which lead the student through tutorials, exercises, and instructional games. The system has voice recognition capability so that the computer can determine whether a student is responding correctly. Using digitized speech the system can also give the student spoken instructions and reinforcement. The program can analyze a student's reponses, individualize lessons, identify problem areas, and recommend lessons or supplementary material.

The reading program is available as a complete system including a computer, voice-processing board, software, headphones, speakers, operating guide, and teacher's manual.

Product Name: Padded Food

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Padded Food may be used to teach cause and effect and basic vocabulary. The student is presented with an assortment of familiar foods and kitchen objects laid out on an overlay. When an object is touched, it appears on the monitor and the speech synthesizer pronounces the name of the food or object.

A speech synthesizer, color monitor, and a membrane input device are required; in addition, for the Macintosh an Apple IIe emulation card is needed.

Product Name: Padded Vehicles

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Padded Vehicles is a software program for a game that can be played by one to six players. Using a PowerPad overlay, the players identify ten vehicles: airplane, helicopter, motorcycle, car, truck, ambulance, garbage truck, fire engine, school bus, and police car. In level 1, the player selects any vehicle. In level 2, the player selects a vehicle that corresponds to a name prompt.

A speech synthesizer, PowerPad, and color monitor are required; for the Macintosh, an Apple IIe emulation card is also needed.

Product Name: Paint Box & Snap II Software

Vendor: Keyboard Technology

Computer: Apple IIGS

Manual Form:

Cost: $45.00

Paint Box is a software program which tests the ability of students to recognize primary colors, remember those colors, and identify them by using early reading skills. Paint Box uses a game format and can be played by one or two persons. Snap II is software designed to help the user identify colors, shapes, patterns, letters, and numbers.

Both programs use the Matchbox 6 keyboard (see entry), a special keyboard overlay, configured with with snap-on color keycaps.

Product Name: Paper Dolls I and II

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00 each

Paper Dolls are a set of two software programs that let users select items of clothing to dress a figure (either male or female) using the PowerPad or IntelliKeys. Paper Dolls-Dress Me First features five articles of clothing. Paper Dolls-Dress Me Too features twelve articles of clothing, permitting the figure to be dressed for a school day, sunny day, rainy day, or silly day. A Spanish version of Dress Me Too is also available.

A speech synthesizer, PowerPad or IntelliKeys, and color monitor are required; for the Macintish, an Apple IIe emulation card is also needed.

Product Name: PAVE: Perceptual Accuracy/Visual Efficiency Training

Vendor: Instructional/Communications Technology, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $80.00

PAVE: Perceptual Accuracy/Visual Efficiency Training is a perceptual training program which is designed to build visual/functional and perceptual skills which form the basis for fluent silent reading. The program has two steps: Visual Efficiency (scanning) and Perceptual Accuracy (flash) exercises. For Visual Efficiency, a target number or letter is presented and three numbers or letters per line scan randomly from left to right at prescribed rates of 10-120 lines per minute. Users must either press space bar each time target appears or count and enter total number of appearances. For Perceptual Accuracy, one to twelve numbers or letters are flashed at preassigned exposure speeds. Depending on skill level and choice of exposure mode, the user types in target item either from memory or from a choice of items. Number of flashes per exposure decreases with increasing difficulty level. Performance data can be collected and stored by program.

Product Name: Phonics Round-Up

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $39.95

Phonics Round-Up is a program designed to help students learn phonics by sorting words according to their vowel and consonant sounds. The program presents text in large type: instructions at the beginning of the program are in 40-column text; the program itself runs in 20-column text. Each lesson includes two or three columns into which words are to be sorted. Each column is labeled at the top with a specific vowel or consonant sound. Markers are moved to choose the column to which the particular word belongs. If correctly chosen, the word drops into the column. If it doesn't fit any column showing, it can be crossed out and disappears. The score is kept at the bottom of the screen. Optional record-keeping for up to 40 students is available. Student records can be viewed and printed. The difficulty level for each student can be set independently.

A five disk Lab Pak is available for $139.95.

Product Name: Pictalk

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form:

Cost: $35.00

Pictalk is a software program intended to serve as a training aid before an alternative communication device is prescribed. Fifty-four pictures in six categories (places, things, people, action, foods, and emotions) are included. Selection is made by scanning rows and then columns within a selected row.

An Echo speech synthesizer, single switch, and color monitor are required.

Product Name: Picture Scanner
Vendor: R.J. Cooper & Associates
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $75.00

Picture Scanner is a single- or double-switch version of Point to Pictures (see separate entry). Picture Scanner starts at the cause/effect level (the Communication mode) with items to motivate and help the learner to use pictures as communication symbols, and progresses to matching and identifying pictures (Training mode) within a context such as a mall or home. In the Communication mode, pictures are presented one at a time until the learner activates a switch to select a picture. In the Training mode, a target picture is presented and the learner is requested to "find" it within the scanning sequence. Like Point to Pictures, the user has a choice of which pictures go in what order. Pictures can be selected from Picture/Theme disks (additional, $75.00). Picture Scanner can also control battery-operated toys with an optional Toy Interface ($75.00).

Picture Scanner requires an Apple II with 128K of memory, a single switch and switch interface or a TouchWindow (see entry), and an Echo II speech synthesizer. The software is distributed as shareware; after 10 free uses the user must arrange payment and obtain a password from the manufacturer to continue using the program.

Product Name: Picture/Theme Disks
Vendor: R.J. Cooper & Associates
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $75.00

Picture/Theme Disks are collections of color pictures with animation and digitized speech. The pictures are for use in Point to Pictures software and Picture Scanner software (see separate entries). The pictures can be inserted in the programs for training language skills and picture selection for augmentative communication. Each Picture/Theme Disk contains pictures relating to a central theme such as mall, playground, or home. There are also disk for Letters, Shapes, Numbers and Colors.

The software is distributed as shareware; after 10 free uses, the user must arrange payment and obtain a password from the manufacturer to continue using the program.

Product Name: Pictures Programs: I, II and III

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $99.50 each

The three Pictures Programs are: I-Function Pictures, II-Association Pictures, and III-Rhyming Pictures. Each program has two levels of operation. The first level teaches the name of pictures displayed on the screen. The second level teaches the function, an association or a rhyme of the pictures displayed. In each program six color pictures are displayed at a time.

Responses are made by pressing the space bar and the Return key, or by a single switch plugged into the game port. The programs may be purchased individually or as a set.

Product Name: PII - Personalized Information for Independence

Vendor: Southern Micro Systems

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $59.00

PII - Personal Information for Independence is a utility and training program to help students learn individualized personal information that is important in daily living. PII presents directives such as "Type in your name" and auditory and visual reinforcers are presented when initial response is accurate; if inaccurate, directive can be repeated up to three times. Program includes a total of 30 possible directives, and the teacher has the option to omit or limit the number of various directives presented. Information may be presented in three modes: continuous visual cue, visual cue that remains for 3-9 seconds, and no visual cue. PII also collects progress data for each individual, including speed, accuracy, number of correct responses and in what mode.

Product Name: Play and Match

Vendor: Easter Seals and Lehigh Valley Microcomputer Project

Computer: Apple II Family

Manual Form:

Cost: $2.00 per disk

Play and Match is a program designed to reinforce picture recognition and switch operation. A special four-switch keyboard is constructed and connected to the computer. Pictures are placed on the keys of the keyboard. A picture is shown on the computer screen. If the student responds by pressing the matching picture on the keyboard, a smiling face appears and a tune plays. Incorrect responses are ignored. Six disks with one or two matching activities apiece are provided. A utility disk provides the instructor or therapist with the opportunity to create custom pictures.

Six disks are available. To obtain the software, send two dollars per disk. The special keyboard must be constructed; directions are included. Contact manufacturer for further information.

Product Name: Point and Read

Vendor: Micro-Ed

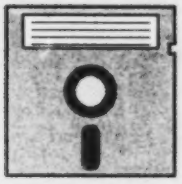
Computer: Commodore Amiga

Manual Form: Printed Manual

Cost: $89.95

Point and Read is a beginning reading training program with voice output that teaches word attack skills usually taught in kindergarten to third grade. The program teaches more than 1,000 words, primarily by associating certain letter arrangements with their corresponding patterns of sound. For words where sound and letter correspondence are irregular, those irregularly spelled words are taught as sight words. The mouse is used to input responses. In the program, the user proceeds to a more difficult set of exercises only when he or she has achieved perfect performance on word attack problems.

No additional hardware is required to run Point and Read.



Product Name: Point to Pictures

Vendor: R.J. Cooper & Associates

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $75.00

Point to Pictures is a touchpad-oriented program designed to help people with communication disorders learn about and use language. The program starts at the cause/effect level (Communication mode) with items to motivate and help a learner to use pictures as communication symbols, and progresses to matching and identifying pictures (Training mode), within a context such as a mall or home. Point to Pictures can also operate battery-operated toys and electrical appliances with an optional Toy Interface ($75). Using optional Picture/Theme disks, the user can select where pictures go on the touchpad.

Point to Pictures requires an Apple II with 128K of memory, an appropriate touchpad (TouchWindow, PowerPad, Unicorn Keyboard, IntelliKeys, Concept Keyboard), and an Echo II speech synthesizer. The software is distributed as shareware; after 10 free uses, the user must arrange payment and obtain a password from the manufacturer to continue using the program.

Product Name: Positive Parenting

Vendor: MCE

Computer: Apple II Family

Manual Form:

Cost: $69.96 -.$99.95

Positive Parenting is a computer program designed to introduce users to the problems and challenges of parenting. The program uses interactive problems to discuss common parenting situations. As the user progresses through the activities, responses are tailored to the user's own set of circumstances. The software is written for a 3rd-4th grade reading level and an 9th grade-adult interest level.

One copy may be purchased for $69.95 and a five pack for $99.95.

Product Name: PowerPad Toolkit 4

Vendor: Dunamis, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $99.95

PowerPad ToolKit 4 is software designed to help the user create his or her own PowerPad setups. The program allows the user to define setups to include personal choices of graphics, speech, animation, text, and singing. Setup button sizes on the PowerPad can range from one to 144 buttons.

The ToolKit 4 runs on Apple IIe and IIGS computers. Speech synthesizer, PowerPad and Port, and printer are all extra.

Product Name: PowerTalker

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple IIGS

Manual Form:

Cost: $45.00

PowerTalker is a software program designed to act as a training communication board with the PowerPad (see entry). The program is suited for children of eighteen months to three years of age. PowerTalker must be set up by choosing to work in particualr quadrants on the PowerPad, selecting from the set of sixteen phrases on the library disk, and picking appropriate graphics from those on the graphics library disk.

PowerTalker is compatible with Apple IIGS computers. It requires the PowerPad and a speech synthesizer (extra).

Product Name: Practice Speech
Vendor: Sunset Software
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $52.95

Practice Speech is a computer program for people with laryngectomies and other speakers who need practice on rate, voice, and articulation of speech. Users are asked to read and repeat words and phrases displayed in large-sized letters on the screen. The program offers two preset time-control choices and several levels of difficulty, according to stimulus length and phonemic complexity. Thirteen different treatment sections are offered; each challenges the user by increasing the difficulty of either the time element or the phonemic sequence. Each section offers up to 180 stimulus items divided into single words or linked together as phrases. Treatment activities are included on both sides of the disk. Periodic prompts are displayed that allow the user to exit the program.

An Apple II with 64K of RAM is required to run Practice Speech.

Product Name: Preposition Fill-Ins
Vendor: Parrot Software
Computer: Apple II Family
Manual Form:
Cost: $99.50

Preposition Fill-Ins is a program designed to provide cognitive training in use of prepositions. A sentence with the preposition missing is presented, followed by a list of three prepositions. The user selects the appropriate preposition using the space bar and the return key. The program provides visual and auditory reinforcement. Preposition Fill-Ins has features that keep track of user progress and that allow clinicians to author their own programs.

Product Name: Primer 83

Vendor: Dynacomp, Inc.

Computer: Apple II Family

Manual Form: Audiotape Manual, Printed Manual

Cost: $99.95

Primer 83 is a user oriented graphics program for individuals with dyslexia and related disorders. Primer 83 allows diagnosis of specific difficulties in letter recognition; alteration of character fonts and presentation time to improve discrimination; instantaneous recognition training for common words and sentence structures; and synthesized music with cadence-synchronized visual presentation of lyrics, including a song editor. Primer 83 enhances user motivation through rapid feedback and adaptive drills.

Product Name: Problem Solving

Vendor: Psychological Software Services, Inc.

Computer: Apple II Family, Atari Family, IBM PC Family

Manual Form: Printed Manual

Cost: $150.00 - $175.00

Problem Solving is a series of four types of programs that train aspects of problem solving. Number Manipulations I, II, III includes: a visual serial addition task where the user must add each of a series of numbers to its predecessor in the series to get a series of totals; a sequencing task where the user reorders a string of digits by moving portions of the string toward the left until the string is in ascending sequence; and a single digit addition task which requires that up to three series be added simultaneously. Checker Exchange asks the user to exchange the positions of the two sets on a checkerboard using correct checker moves but no jumps. Knight's Challenge asks the user to compete with the computer to move a single knight chess piece across the board to the other side. Maze Puzzle I, II randomly generates a maze with only one solution for the user to follow; computer tracks wrong turnings and delays. Higher levels of difficulty are possible within most programs.

Problem Solving is $150.00 for the Atari and Apple versions, and $175.00 for the IBM version.

Product Name: Program for Aphasics

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Program for Aphasics is program for teaching spelling. The program displays and speaks a word, and the user is then asked to spell it. The user can "cheat" as much as desired in the attempt to spell a word, but once the attempt at spelling the word begins the prompting ceases. The prompting can be started again by the user, but this erases any previous partially spelled word.

A speech synthesizer is required for voice output. This program was developed through the Telephone Pioneers of America, and is free to anyone who is interested.

Product Name: Programs for Early Learning and the Retarded

Vendor: Computer Foundation for Handicapped Children

Computer: Commodore 64

Manual Form: Electronic Manual

Cost: $2.50 per disk side

Programs for Early Learning and the Retarded is a set of 22 simple programs that stress skills such as counting and the alphabet. Many use synthesized voice output. The programs cover a variety of topics. There are programs for teaching shapes, colors, counting, and the alphabet. There is a program that presents basic wants by speaking the name of the want and showing a picture. There are speaking and illustrated programs that deal with food, transportation, the calendar, sports, the barnyard, and more. There is also a voice output time-telling program. There are 24 disk sides in all, and each is $2.50.

The programs that have speech require the Software Automatic Mouth (SAM) speech synthesizer. All programs are available separately. Write to Don Peterson at Computer Foundation for Handicapped Children for a complete list. A free sampler disk is available.

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Product Name: Project Star

Vendor: Hartley Courseware, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $695.00 - $2,780.00

Project STAR is a multi-level computer-based reading program, designed for students with learning disabilities, which uses small, sequenced steps to build reading fluency and skills. The program is divided into two areas: a Basic Instructional Program (BIP) and Language Experience Activities (LEP). BIP has three levels (purchased individually) which aid in developing vocabulary, language, comprehension, and spelling skills. Twenty-five to thirty disks, with up to 90 hours' worth of instruction each, are included in each level. Supplemental materials for placement testing and learning reinforcement are also included. LEP consists of a talking word processor which enables students to write stories from an on-screen vocabulary list.

Project STAR runs on Apple II and IBM computers; network and hard disk versions are available. An Echo or Ufonic speech synthesizer is required (see entries). Prices vary according to number of levels ordered; Apple levels are $695.00 each, IBM are $695.00, and a networked version $2,7800.00.

Product Name: Public Domain Software

Vendor: Tell 'Em Ware

Computer: Apple II Family

Manual Form:

Cost: $6.50 each

Public Domain Software is a collection of more than 500 disks of public domain software programs designed for use by people with disabilities. Subjects covered include science, math, and adaptive software (such as a calculator program that may be run using a single switch). Activities covered range from cause and effect training to talking drills. Also included are software programs designed to facilitate or work with the Adaptive Firmware Card, the PowerPad, and the TouchWindow.

Titles listed in the Public Domain Software catalog may be purchased for $6.50 each, or $5.00 if ten or more programs are ordered at the same time. Packages of 10 programs on a specific area (such as switch use training) or skill (such as mathematics) are available. The catalog is available for $7.50 and includes a coupon for one free program.

Product Name: Rabbit Scanner

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $3.95

The Rabbit Scanner is a scanning training program that uses a graphic of a rabbit hopping across the screen in a single horizontal line. A carrot is placed in one of five positions on the screen. When the rabbit reaches the carrot, the child triggers a game paddle, adapted switch (adapter required), or the space bar. Color matching and shape matching programs are also included. The program can be adjusted to challenge the user appropriately.

Product Name: Race the Clock

Vendor: Mind Play

Computer: Apple II Family, IBM PC Family, IBM PC jr

Manual Form: Printed Manual

Cost: $49.99 - $69.95

Race the Clock is a learning game designed after the popular "Concentration" game. The user tries to match pictures with pictures, pictures with words, or words with words. Each box in the array presented on the screen can display a verb or an animated figure acting out the verb's action. Selections may be made using the keyboard, a mouse, or a joystick (not included). Race the Clock permits authoring and is equipped with a "challenge upgrade option," which allows various skill levels involved to be adjusted, independent of each other.

The program is IBM and Apple II compatible ($49.99); and a CD-ROM version this program is available for $69.95.

Product Name: Rate Drill in Articulation, Language and Fluency

Vendor: UNITED Educational Services, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $45.00 - $115.00

Rate Drill in Articulation, Language, and Fluency (RALF) is a training program for practice in rate of speech. Each part (Articulation, Language, or Fluency) allows the user to perform drills on either sentence or paragraph units in two different modes: determining actual word-per-minute (WPM) rates in practice, or pre-selecting WPM rates for each stimulus. A feature of the program called Inflection allows the user to practice the same sentence or paragraph units, with selected words capitalized for greater emphasis or stress.

In Part I (Articulation), the following phonemes are represented with five different sentence or paragraph combinations each: /l/, /r/, /s/, /z/, /th/ (voiced and unvoiced), /sh/, and /ch/. In Part II (Language), the concepts represented are: plurals, prepositions, tensing, possession, and negation. In Part III, five different paragraphs practice various rate drills. A disk is available separately for each part or as a kit.

Product Name: Reactions (R73)

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS

Manual Form:

Cost: $60.00

Reactions is an early skills educational software program designed to teach cause-effect principles. There are six games which students play at a cause-effect level or actively make selections among four choices. Games include: Piano Tunes, Puzzle Game, and Shape Game. Switch input and selection parameters may be customized for each user.

Product Name: Readable Stories Series

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $110.00 each

The Readable Stories Series is a trio of programs designed to improve reading comprehension of early and intermediate-level readers. Each program consists of a story diskette and a question diskette. The stories use graphics, text, optional speech, and animation. Each story can be presented at three different levels, controlled for sentence length, word order, and the use of clauses and idioms. The reader uses the keyboard or a single switch to control the pace of presentation and to have any segment of the story or animation repeated. After the story is read, the reader is asked a series of comprehension questions. Visual and spoken encouragement is given in response to the reader's replies.

The three available programs are: The Birthday Surprise (focuses on main idea and sequence of events), The Puppet Show (focuses on comprehension of how and why events occurred), and The Hidden Toy (focuses on who, what, and where questions). An Apple II computer with 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive are required. A color monitor and a printer are recommended.

Product Name: Reading Around Words Program

Vendor: Instructional/Communications Technology, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $16.00 each level

Reading Around Words Program is a vocabulary training program designed to expand word knowledge through structured context analysis strategies and multiple exposures to words. Each level of the program presents 20 lessons that introduce 12 words per lesson. For each lesson, a context sentence with a choice of items to complete the sentence is presented. Next, a paragraph including the target word and clues to meaning are presented, followed by a multiple choice question to test comprehension. If user misses the item, the same paragraph with underlined clues will appear, followed by a clarification paragraph if the item is still missed. Lastly, the context sentence is presented and the user spells the missing target word.

Nine different sets of 20 lessons are available, for users at reading levels from grades 4 to 12.

Product Name: Reading Comprehension for Adolescents

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $99.50

Reading Comprehension for Adolescents is designed to increase literal and inferential comprehension skills. Ten short stories on topics of interest to adolescent students are used. The literal lesson requires comprehension of information provided in the story. The inferential lesson requires the student to make inferences about the information provided in the story. The program also teaches strategies for reading comprehension. The story may also be hidden after it is read so that the student must rely on comprehension and memory to answer questions. Progress is recorded on disk, and reports may be printed at any time.

Product Name: Reasoning Skills on the Job

Vendor: Conover Company

Computer: Apple II Family

Manual Form:

Cost: $1,995.00

Reasoning Skills on the Job is a vocational exploration and assessment program. The program consists of skill identification and application, assessment, and remediation components. A variety of activities identify the need for reasoning skills in a selected occupational area and compare that requirement with an individual's ability to think critically and solve problems.

This program is available in printed and computer disk form. The computer form consists of vocational information disks, student guides, and a teacher's guide. Vocational disks can be purchased separately for $99.95 per cluster. Apple and IBM versions are available.

Product Name: Rehabilitative Software for Young Adults ...

Vendor: ComputAbility Corporation

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $150.00 - $300.00

Rehabilitative Software for Young Adults with Head Injury is a software program designed to provide training in academic (reading, writing, math) and cognitive (memory, attention, problem-solving) skills. The three program disks present three story lines, each at a different level of difficulty in both content and manner of presentation (e.g., screen layout). The level of difficulty changes according to the user's performance; if the performance falls below Level 1, the user is branched to a remedial loop that provides tutoring in the specific skill area.

Two versions are available. The Clinic/School version, which runs on an Apple IIe or IIGS with 128K of memory, is $300.00. This version includes tests, a statistics management disk, and content-related workbook pages. Contact manufacturer for information on installation of a computer clock on the circuit board (extra). The Home version, which requires any Apple II with 128K of memory, is $150.00.

Product Name: Representational Play

Vendor: PEAL Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $150.00

Representational Play is a language intervention program designed for teaching students with mental or physical disabilities to communicate by selecting pictures of desired objects or activities. Color line drawings (included) are assembled as overlays for a membrane keyboard. When the student presses a picture on the membrane keyboard, an identical graphic appears on the screen and a speech synthesizer speaks the corresponding word. Representational Play is an advanced version of Exploratory Play (see separate entry) with different play activities and language levels used.

A Muppet Learning Keys membrane keyboard is required for input. An Echo II speech synthesizer is required to use Representational Play with an Apple IIe; an Echo IIc is required for the IIc. Toys corresponding to the picture symbols are also available from Peal.

Product Name: Rhyming Pictures
Vendor: Parrot Software
Computer: Apple II Family, IBM PC Family
Manual Form:
Cost: $99.50

Rhyming Pictures is a two-level program for cognitive training based on the use of pictures. The first level is a picture identification task requiring users to correctly match a picture with a prompt (e.g., "Find the purse.") The second level is a rhyming task. At this level, users must correctly determine which picture rhymes with a word given as a prompt (e.g., "What rhymes with shoot?"). Responses are made by pressing the space bar and return key.

Product Name: Rockets to the Moon
Vendor: UCLA/LAUSD Microcomputer Project
Computer: Apple IIe, Apple Macintosh Family
Manual Form: Printed Manual
Cost: $35.00

Rockets to the Moon is an educational game program for one to four players. Rockets to the Moon uses color graphics and synthesized speech to promote concepts such as sequencing, turn-taking, and color identification. Players use one shared single switch to operate the game. The game must be set up and the students names entered by the instructor: from there the students can play by themselves. The program tells the students verbally how and when to play.

Rockets to the Moon requires a color monitor, a speech synthesizer, and an adaptor for plugging switches into the computer's game port; for the Macintosh, an Apple IIe emulation card is also needed. The manufacturer recommends it for the three to five age range.

Product Name: Run Rabbit Run

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $39.95

Run Rabbit Run is a software program that provides training in horizontal and vertical scanning concepts. The user guides a small rabbit down a path from the farmer's garden to his home. Along the way, the rabbit encounters a number of obstacles. The user presses a key to have the rabbit jump over the obstacles at the appropriate time. The program can be adjusted to challenge the user appropriately.

Product Name: Safety Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $209.00

Safety Signs is a four-disk microcomputer program that teaches 40 signs which are essential for community living. The disks cover common warning signs (e.g., "Beware of Dog," "Stop," "No Smoking," "Police"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, and an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

The program inlcudes 4 disks, an administration manuak, and 6 workbooks. An Apple II system with at least 64K of memory, one disk drive, and an appropriate speech synthesizer are required. A color monitor, joystick, and printer may also be used with the program. The IBM version requires 256K of memory.

Product Name: Scan & Speak
Vendor: Psychological Corporation
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $115.00

Scan & Speak is a scanning communication program controlled by a joystick button or a switch adapted to perform the same function. The user may choose between large or small text in the scanning cells, and stored messages may be spoken when a cell is selected.

Output may be spoken through a voice synthesizer or printed. A Votrax Type 'N Talk, Votrax Personal Speech System, DECtalk, or Echo speech synthesizer can be used, with appropriate program version. Contact the manufacturer for details.

Product Name: Schoolcraft Series Software
Vendor: Kidsview Software, Inc.
Computer: Apple IIGS, Apple IIc, Apple IIe
Manual Form:
Cost: $49.95 per program

Schoolcraft Series Software is a set of four educational programs are displayed on-screen and printed out in a large character format. MATH 1 has several modules which focus on basic addition, subtraction, multiplication, and division skills; this program has four ability levels and all worksheets can be printed out. WORD 1 has three language arts modules: Zapword, Wordsearch builder, and Picture Story. Teacher's PET allows the user to create multiple choice exercises and generate random printed worksheets from the same question set. GAMES 1 has five educational games: Tic-Tac-Toe, Concentration, Secret Code, Flatworld, and Pat's Store.

The Schoolcraft Series is compatible with the Apple IIe, IIc, and IIGS computers and and the Imagewriter II and Epsom printers.

Product Name: Seasons

Vendor: UCLA/LAUSD Microcomputer Project

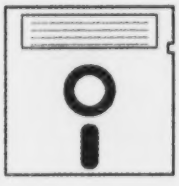
Computer: Apple IIGS

Manual Form:

Cost: $45.00

Seasons is an educational software program designed to teach the user about the attributes of the four seasons. Users select a season from the menu and objects from each season scan the bottom of the screen. Items are selected by using either the mouse, TouchWindow, switch, or space bar. When a season is completed there is an option to type a brief statement about the scene.

Seasons is compatible with Apple IIGS computers. A speech synthesizer is recommended.



Product Name: Seek & Find Level I & II

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple IIGS, Apple Macintosh Family

Manual Form:

Cost: $55.00

Seek & Find Level I & II are educational software programs designed to improve the user's matching skills and visual and auditory discrimination. In Level I, the user matches objects with scenes, identifies objects for scenes without visual prompts, and matches sounds to objects. Scenes include: park, campground, city, and playroom. Level II uses the same type of activities in three other environments including: farm, classromm, and household.

Level I is compatible with Apple IIGS and Macintosh LC or LCII computers. Level II works only with Macintosh LC or LCII. A speech synthesizer and IntelliKeys or PowerPad is recommended.

Product Name: Semantic Development Using Code Breaking Strategies

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $99.50

Semantic Development Using Code Breaking Strategies is a computer program that requires users to determine an unknown sentence using an alphanumeric code. Blanks indicating the length of words in the code appear at the top of the screen. In the center of the screen, the coding strategy appears, indicating the code value for each letter. At the bottom of the screen is a prompt indicating what letter should be entered (e.g., "Enter the letter for code 7"). One code and ten lessons are provided. Clinicians may modify or add codes and lessons to suit specific client needs. Three levels of difficulty are offered: as the level increases, codes are withheld for some letters, so that the client must guess some letters on the basis of sentence context rather than the coding strategy. User progress is automatically tracked, and workbook-like assignments may be printed out.

Memory requirements are 128K for Apple computers. Specify computer and required disk size (3.5" or 5.25") when ordering.

Product Name: Sentence Key & Picture Sequence Key

Vendor: Mayer-Johnson Company

Computer: Apple Macintosh Plus

Manual Form:

Cost: $89.00

Sentence Key & Picture Sentence Key are programs which encourage reading readiness skills. In Picture Sentence Key, the student selects a person, action, and object from columns of pictures to form a sentence. When the pictures are chosen, the appropriate word is "spoken" by the computer; the completed sentence is also spoken and the symbols for each word are animated. Sentence Key is a similar program except the actual words are selected instead of pictures.

These programs require a Macintosh Plus computer or higher, a hard disk, and HyperCard.

Product Name: Sentence Master

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form:

Cost: $475.00 each level

Sentence Master: A Program for Success in Reading is a software program designed to teach reading skills to students who have difficulty with phonics or oral language, or who have impulsive learning styles. The program uses speech output, graphics, and animation. Over-learning of the non-content words (such as "the," "is," and "here") is emphasized; however, equal attention is given to content words. Scan speed and response time are adjustable. A lesson summary of each activity may be read on-screen or printed.

Four levels of Sentence Master are available. Each level consists of eight Story Diskettes, each with its own Workbook Diskette and reproducible Story Booklet with written exercises. Each Workbook Diskette includes the activities Word Recognition, Sequential Recognition, Spelling, and Sentence Completion. Sentence Master requires an Apple II computer with 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. Interface options include TouchWindow (see entry), single switch, or keyboard. A color monitor and printer are recommended.

Product Name: Serial Recall: Rehearsal

Vendor: University of Michigan Software

Computer: IBM PC Family

Manual Form:

Cost: $250.00

Serial Recall: Rehearsal is a clinical software program designed to improve sequencing ability. The software has a Baseline program which evaluates clients' sequencing abilities before they begin the software's improvement exercises; Baseline also can be used to assess periodic change. After being evaluated on Baseline, the client uses the Practice program which has repetitive, interactive exercises with error checking and reinforcement feedback.

Serial Recall: Rehearsal includes an introduction disk. The software runs on IBM compatibles, and requires DOS 3.3 or higher plus 512K memory.

Product Name: Sharon's Programs

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form:

Cost: $25.00 each

Sharon's Programs is a collection of 15 large print computer programs that provide training in various basic skills. The programs are Simple Cause and Effect, Fun with Colors, Learning Directions, Big and Small, Same and Different, Scanning Fun, Knowing Directions, Learning Shapes, Learning Letters, Learning the Alphabet, Learning Numbers: One to Five, Silly Letters and Numbers, Learning Sight Words, Simple Addition, and Readiness Fun. The programs can be run using either the standard keyboard or alternative keyboards. Many of the programs can also be run using a single or dual switch with scanning.

An Apple IIe, IIc, or IIGS with one 5.25" inch disk drive is required. A color monitor is required for some programs and is recommended for all programs. Each program is $25.00. All 15 programs are available for $325.00. A sampler disk of four working programs is available free of charge on request.

Product Name: Sight Word Spelling

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $29.95

Sight Word Spelling is a spelling practice program for common words and number sequences. The program presents teacher-generated lists of ten items each, which can include words of up to six letters or numbers of up to three digits. The program vocalizes each letter or number of the target item for the user to duplicate with the keyboard. Length of display, time, volume, and pitch of voice are user-specifiable. Program is intended for students at a first or second grade level of spelling.

Program requires an Echo II speech synthesizer for operation.

Product Name: Sight Words

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form:

Cost: $35.00

Sight Words is a software program designed for early training in sight recognition of vocabulary. Six categories of words are included. The scanning speed may be adjusted, and the words may be selected either by activating a switch or by pressing the space bar.

An Echo speech synthesizer and color monitor are required. A switch is optional.

Product Name: Silly Sandwich

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Silly Sandwich is a computer program that lets users build a sandwich, selecting from pictures on a PowerPad overlay. At Level 1, there are six items to select from; at Level 2, there are 12 items.

A speech synthesizer, PowerPad or IntelliKeys, and color monitor are required; for the Macintosh, an Apple IIe emulation card is also needed.

Product Name: SimpleCom I: Yes/No Communication

Vendor: Dunamis, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $59.95

SimpleCom I: Yes/No Communication is a communication output program for expressing simple daily living needs and training early communication skills. The program utilizes training sequences that help the user in yes/no differentiation, and are designed to facilitate cause-effect association. The teacher may modify prompts, reinforcements, and speech output of the synthesizer.

The program operates with a PowerPad and an Echo II speech synthesizer, both extra; contact manufacturer for details.

Product Name: SimpleCom II: Needs/Wants Communication

Vendor: Dunamis, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $59.95

SimpleCom II: Needs/Wants Communication is a voice output program for communication of basic needs and wants. The program contains a list of ten basic needs including go to bathroom, drink, eat, go outside, help, hurt, music, play, sleep, and watch TV. These needs are displayed with large graphic symbols, and user activates voice output by touching the PowerPad. Additional needs or wants can be added by drawing other symbols with the MicroIllustrator program (extra).

A PowerPad and Echo speech synthesizer are required for operation (extra). Manufacturer can also custom design the needs menu at additional cost; contact manufacturer for details.

Product Name: Single Choice Toy Program

Vendor: Easter Seals and Lehigh Valley Microcomputer Project

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $2.00 & one blank disk

Single Choice Toy Program is a program that presents prompts to encourage activating battery-operated toys. A switch and a toy are connected to the computer. The program presents a picture of the toy on the computer screen. When the switch is pressed, the toy corresponding to the picture is activated. The toy is automatically activated for ten seconds no matter how long the switch is pushed. Graphics for several toys are provided, but only one toy at a time can be interfaced with the computer. The graphics on the first disk are: drumming teddy bear, train, robot, dog, and picture of a child activating a switch. The graphics on the second disk are: caterpillar, climbing fireman, city interchange, and fairyland castle ride.

For software, send a blank disk plus two dollars. The interface board for connecting the toys to the computer must be constructed. Plans are provided.

Product Name: Slow Speech

Vendor: Sunset Software

Computer: Apple II Family

Manual Form:

Cost: $52.95

Slow Speech is a computer program for dysarthric and other speakers who need practice on articulatory precision as a function of reduced rate of speech. Users are required to read and repeat words and phrases displayed in large-sized letters on the screen. The program offers several levels of difficulty based on time delay, stimulus length, and phonemic complexity. The program offers 12 different treatment sections, each of which offers up to 180 stimulus items divided into single words or linked together as phrases. Treatment activities are included on both sides of the disk. Periodic prompts are displayed allowing the user to exit the program.

An Apple II with 64K of memory is required to run Slow Speech.

Product Name: Smart Shaper I and II

Vendor: Psychological Software Services, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $25.00 each

Smart Shaper I and II are two computer programs that provide exercises for cognitive rehabilitation. Smart Shaper I has eight low level exercises in matching, shape recognition, concepts of similarity and difference, and counting. Visual and auditory feedback is provided. Smart Shaper II provides high level exercises in basic discrimination, matching, and counting. Input may be entered via keyboard or game paddles.

Product Name: Soft Tools

Vendor: Cognitive Rehabilitation

Computer: Apple II Family, Atari Family, IBM PC Family

Manual Form: Printed Manual

Cost: $35.00 - $50.00

The Soft Tools programs are menu driven disk versions of computer programs published in each issue of Cognitive Rehabilitation, a bimonthy publication. The programs are primarily therapeutic games, although programs for use by the clinicians themselves are included. The Soft Tools packages are published on an annual basis.

All Soft Tools packages are available for the Apple II series and Atari computers; all packages from 1984 on are available for the IBM-PC and compatibles. Soft Tools '83 is $35.00; Soft Tools '84 and '85 are $45.00 each; Soft Tools '86, '87, '88, '89, '90, and '91 are $50.00 each. Contact Cognitive Rehabilitation for further information about Soft Tools programs.

Product Name: Song Grid

Vendor: Easter Seals and Lehigh Valley Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form:

Cost: $2.00 + one blank disk

Song Grid is a music playback and composition software program designed to be used with the PowerPad (see entry). The PowerPad may be divided into up to nine areas, and up to nine tunes may be assigned to each area. When prompted, the user may press an area of the PowerPad and hear a tune. The program may also be used to compose tunes.

Product Name: Sound Match

Vendor: ENABLE

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $25.00

Sound Match is a program that presents the user with a variety of sounds or noises requiring gross levels of auditory discrimination and matching. The user makes selections with a single switch. The matching activities are applicable for youngsters with visual or physical impairments who are being introduced to the computer for the first time and who require training in auditory attention and single switch skills.

A single switch interface and speech synthesizer for the computer are required.

Product Name: Speaking Speller

Vendor: American Printing House for the Blind (APH)

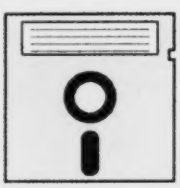
Computer: Apple II Family

Manual Form: Electronic Manual, Large Print Manual

Cost: $14.94

Speaking Speller is a spelling skills program with speech output. The program reads a word to the student in a synthesized voice: first alone, then in the context of a sentence. This sequence may be repeated if desired. The student is then required to spell the word on the computer keyboard. Speaking Speller allows the instructor to create custom lists of words, and to adjust the way the synthesizer pronounces the words by including phonetic spellings. The length of the word list is limited only by computer memory, and extra lists can be stored on disks. Speaking Speller has two sections. In the practice section, the student receives immediate reinforcement if a spelling is correct, or given the correct spelling if a spelling is incorrect. In the test section, the results are only given at the end of the session; either in printed form, on the screen, or in spoken form.

An appropriate Echo speech synthesizer is required to run Speaking Speller. The disk comes with a ProDOS version on one side and an Apple DOS 3.3 version on the other.



Product Name: Special Education Public Domain Software

Vendor: Technology for Language and Learning, Inc.

Computer: Apple II Family

Manual Form:

Cost: $5.00 per volume

Special Education Public Domain Software is a collection of computer programs to be used in the instruction of people who have language, learning, or physical disabilities. Topics covered by these programs include: reading, math, spelling, augmentative training, Morse code writing skills, cognitive rehabilitation, and language development. Some of the software may be used with the Power Pad, a single switch, or the TouchWindow. An Echo speech synthesizer may be used for speech output with some programs.

A catalog of program titles may be purchased for $10.00. Each title is $5.00.

Product Name: Special Skill Builders I & II

Vendor: Compu-Tations, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $34.95 each

Special Skill Builders I is a set of learning and drill programs covering counting, color and shape recognition, and a number Drill. Special Skill Builders II is a continuation of Special Skill Builders I which includes four pre-reading training programs. Alpha Drill requires the user to indicate when a randomly displayed lower case character matches an upper case letter at the top of the screen. Alphabet Line asks the user to fill in a missing letter in a section of the alphabet. Number Line does the same for a missing number in a sequence of numbers. Inside Out asks the user to indicate when various shapes moving about the screen appear inside a rectangle. Programs also include teacher management files, and speed of presentation can be adjusted.

Programs uses keyboard and/or game paddle input, and system is password protected.

Product Name: SpeechViewer

Vendor: IBM Corporation

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $900.00

SpeechViewer is a software and hardware package for use in speech therapy. The software component provides real-time interaction in three areas: Awareness, in which sound, loudness, pitch, voicing onset, and loudness and voicing can be used to control an animated display; Skill Building, in which video game-style animation is used to achieve preset or clinician-defined goals of pitch, voicing, vowel accuracy, or vowel contrasting; and Patterning, which records speech and presents it as graphed patterns. The hardware component consists of an adapter card that is plugged into the computer, and a microphone and speaker that plug into the card.

Both the hardware and software are required to run SpeechViewer. A computer with at least 512K of memory is required; a color monitor is recommended. The appropriate IBM M-Audio Capture and Playback Adapter is required and must be ordered separately: either AT bus (P/N 92F3378) or Micro Channel (P/N 92F3379). SpeechViewer comes with two 3.5" program diskettes, a user's guide, a quick reference guide, microphone, speakers, and cables.

Product Name: SpeechViewer II

Vendor: IBM Corporation

Computer: IBM PC Family

Manual Form:

Cost: $2,130.00

SpeechViewer II is a software and hardware package for use in speech therapy. The software has fifteen modules which are grouped according to clinical objectives. In the group of Awareness modules, the user controls graphics through loudness, pitch, and voicing onset. The Skill Building Modules have video game-style animation which is used to achieve preset goals of pitch, voicing, vowel accuracy, vowel contrasting, consonants, sequences of phonemes, syllables and words. Patterning modules use waveform, spectra, and spectrogram displays to provide clients with visual representations of running speech. The Clinical Management modules are automated so that clinicians can save and report performance data and customize client sessons. SpeechViewer II software comes with instructions, "Getting Started" vidoetape, handheld microphone, two headset microphones with amplifier, speaker, power adapter and cables.

SpeechViewer II is IBM compatible. It requires at least 640K of memory and a 20MB hard disk. A color monitor is recommended. An appropriate IBM M-Audio Capture and Playback adapter is required (purchase separately). An upgrade for customers with SpeechViewer is available; contact the manufacturer.

Product Name: Spell-A-Word & 2+2

Vendor: R.J. Cooper & Associates

Computer: Apple IIGS, Apple IIe, IBM PC Family

Manual Form:

Cost: $75.00 - $90.00

Spell-A-Word is a computer software program that provides drills in spelling. In Train mode, a word is presented to the student in large print and is simultaneously spoken. The student is then prompted to type in the word while large outlines on the screen are used as models. Correct letter entries are accepted and spoken; incorrect entries produce a buzz. Verbal praise and motivating sounds reward each completed word. After all words are trained, the Drill mode prompts the student verbally to type the word. The student may press the space bar to access a Help feature. After the student has correctly spelled the word, a line drawing is displayed that the student may color in as a reward. The 2+2 software is an arithetic program which allows problems to be created for drill and practice. With both programs, the teacher may enter word lists, select Train and Drill levels, and print scores showing student progress.

Spell-A-Word requires an Apple II with 128K of memory. An Echo speech synthesizer is recommended (required for speech output). The software is distributed as shareware; after 10 free uses, the user must arrange payment and obtain a password from the manufacturer to continue using the program.

Product Name: Spell-Talk
Vendor: Access Unlimited-SPEECH Enterprises
Computer: Apple II Family
Manual Form:
Cost: $50.00

Spell-Talk (formerly called Tell and Spell) is a talking spelling program. The instructor can create lists of words, determining how they should be spelled and how the speech synthesizer should pronounce them. The program presents the words to the student, who must type in the correct spelling. Options include: storing word lists for future use, built-in "help" instructions, a teacher's security system, and record keeping.

An Echo speech synthesizer (extra) is required to use Spell-Talk.

Product Name: Spelling Tutor
Vendor: Access Unlimited-SPEECH Enterprises
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $50.00

Spelling Tutor is a spelling practice program with voice output options useful for program operation and testing functions. Program allows creation and testing of spelling lists, with different user options within testing mode to proceed, cue, repeat or list spelling words. An additional feature allows use of the Study Buddy program (extra;see entry) to create vocabulary or word lists for use as spelling words in Spelling Tutor. Voice options include female and robotic voice.

Program requires an Echo speech synthesizer for voice output.

Product Name: SPELLIST

Vendor: Castle Special Computer Services, Inc.

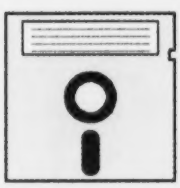
Computer: Apple IIGS, Apple II Family

Manual Form: Printed Manual

Cost: $50.00 - $266.00

SPELLIST is a spelling training program which provides practice at spelling from computer-generated dictation. Included in the program are options of assigning and practicing assigned words and phrases from over 800 words and phrases stored in standard lists or from those stored in customized word lists. The program voices the target word, pronounces each letter as the user spells the target, prompts and reinforces responses. Word lists may be adapted or added.

SPELLIST is suitable for use by many students in a classroom, one at a time. A speech synthesizer (extra) is required to use SPELLIST. SPELLIST is sold as a single disk ($50.00), lab pack (six disks at $145.00), or group pack (16 disks for $266.00). Contact manufacturer about obtaining personalized editions for individual student operation.



Product Name: Spin and Spell

Vendor: Access Unlimited-SPEECH Enterprises

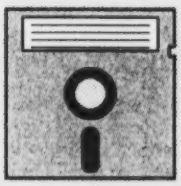
Computer: Apple II Family

Manual Form:

Cost: $45.00

Spin and Spell is a large print spelling program. The program presents the student with scrambled words in large type (1/4" or about 18-point). The student must try to unscramble the words. The student cannot enter the word spelled incorrectly, and is given chances until it is spelled correctly. Correct guesses show up in sequence until the spelled word is complete. Sound effect prompts and musical sequences are used for cues and reinforcement. Options include: storing word lists, teacher's security feature, and record keeping.

An Echo speech synthesizer (extra) is required to use Spin and Spell.



Product Name: Story-Ware

Vendor: Don Johnston Developmental Equipment

Computer: Apple Macintosh Family

Manual Form:

Cost: $90.00

Story-Ware is a creative writing software program that permits students to add sounds and graphics to their stories. Students are led through step-by-step screen prompts to create and edit stories within HyperCard. Story-Ware uses Apple's Macintalk software to read text during the editing process or to read the finished story. Eleven story shells are included to help students get started.

Story-Ware requires a Macintosh Plus, SE, or II with a hard drive and 1 MB of memory, and HyperCard 1.2 or higher.

Product Name: Storytime Tales (J60)

Vendor: Don Johnston Developmental Equipment

Computer: Apple Macintosh Family

Manual Form:

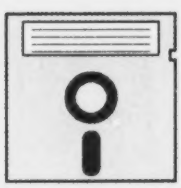
Cost: $95.00

Storytime Tales are animated picture-book software programs designed to encourage early learning skills. Story lines include baking a cake, washing clothing, and learning body parts. The stories can be run with a mouse, switch, or TouchWindow. Stories can be "read" all the way through or certain parts repeated.

Product Name: Study Buddy
Vendor: Access Unlimited-SPEECH Enterprises
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $50.00

Study Buddy is an educational study program that allows the user to enter words followed by a definition or concept description. Up to 50 words may be entered, for presentation in interactive tutorial fashion utilizing voice output. The user enters the word, then is prompted to type the meaning, with review and repeat options.

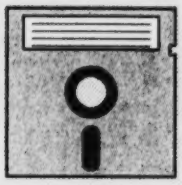
An Echo speech synthesizer is required for voice output option.



Product Name: Sunny Days
Vendor: Oakland Schools-Child Studies Center
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $50.00

Sunny Days is an instructional program designed to improve the user's word recognition, spelling, and reading skills. Sunny Days allows the teacher to select from a set of over 100 core words or create custom word lists. All programs are presented in game format and may be controlled with a single switch.

A switch interface and a single switch are required to operate Sunny Days.



Product Name: Survival Words

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $179.00

Survival Words is a set of programs designed to teach words for community living, including "exit," "ped xing," "out of order," and "phone." Graphics and verbal reinforcement are incorporated in the learning exercises. Instruction, review, and evaluation functions are included.

The program includes 3 disks, an administration manual, and 6 workbooks. Input may be made via the keyboard or with a joystick. A speech synthesizer is required for verbal reinforcement during use of Survival Words. Apple II versions require 64K of memory and IBM versions need 256K of memory.

Product Name: Switch Arcade

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple IIGS

Manual Form:

Cost: $35.00

Switch Arcade is a program for two players to play games with each other using single switch input. Games include: tug-of-war, racing cars, fishing, racing wheelchairs, and others. The games are designed for users three years of age and older.

Product Name: Switch It - Change It

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form:

Cost: $35.00

Switch It - Change It is a switch-activated cause and effect program for training in the use of a single switch. Colorful, animated common objects are presented on the screen. Three-dimensional objects (extra) are shown to the user, who then selects the matching on-screen object using the switch.

An Echo speech synthesizer, color monitor, and single switch are required.

Product Name: Switch It - See It

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Switch It - See It is a switch activated computer program for training in switch use and visual tracking. Colorful animated graphics and sound effects are presented. The program encourages visual tracking from right to left, up and down, and on the diagonals.

A speech synthesizer, single switch, and color monitor are required; for the Macintosh, an Apple IIe emulation card is also needed.

Product Name: Switch Training Program and Communication Training Pgm.

Vendor: CSUS Assistive Device Center

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $41.65 each

Switch Training Program and Communication Training Program are a pair of software programs designed to develop skills required for augmentative communication. Switch Training Program (STP) is designed to teach switch use, and may be used in either cause and effect mode (any switch closure produces the action) or joystick mode (switches must be used in specific ways to produce the desired action). Five scenarios, including a flower that grows when "watered" and an elevator that carries a figure up several levels, are included. Communication Training Program (CTP) presents scenarios designed to simulate real communication situations. Scenarios include going to a restaurant, buying a milkshake, and buying gasoline. Client input generates a variety of computer responses, creating variations each time the interaction is replayed.

Product Name: SwitchEnsemble

Vendor: Switch In Time

Computer: Apple IIGS

Manual Form:

Cost: $175.00

SwitchEnsemble is a software program designed to enable users to "play" different musical instruments using switch input. The program uses the sound chip built into the Apple IIGS to create the sounds of instruments including flute, electric piano, bass, guitar, violin, and drums. There are different components of the program which allow the user to tap out rhythms, improvise, and play along with songs.

The standard keyboard can be used with this program but it is primarily designed to facilitate switch use. This program can be used with multiple or single switches with one person or a group. A switch interface is required (extra).

Product Name: Symbol Writer
Vendor: Don Johnston Developmental Equipment
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $75.00

Symbol Writer is a program designed for children learning to use a single switch. The program is designed to help teach cause and effect using a computer. The user scans through groups of symbols presented to insure successful selections. Two and three word sentences are created from the given vocabulary along with animation and voice output. Symbol Writer can also be used with a PowerPad with The Porter or PowerPort to directly select the symbol sequence.

A switch interface and a single switch, or a PowerPad and matching overlay (see entry) are required to operate Symbol Writer. An Echo speech synthesizer is required for the speech output option.

Product Name: Talking Hands
Vendor: EBSCO Curriculum Materials
Computer: Apple IIc, Apple IIe
Manual Form: Printed Manual
Cost: $59.95 - $185.95

Talking Hands is a fingerspelling drill and practice program for training and communication with the manual alphabet. The program will display handsigns for letters from A to Z as typed. The program can also be used to display hand signs serially or at random for drill. Up to 36 messages of ten lines and 80 characters in length can be stored on disk and played back for practice, and speed of sign presentation (from 1 - 40 signs per minute) can be user-specified.

Talking Hands costs $59.95 for a single copy and $189.95 for a five pack.

Product Name: Talking Keys

Vendor: Easter Seals and Lehigh Valley Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $2.00 per disk

Talking Keys is a public domain software program that allows users to program any key on the computer to say any desired message. Groups of keys may be programmed with the same message to permit a larger strike area. The user or clinician then makes a keyguard from cardboard to expose only the desired keys, and may also tape pictures or words to the appropriate keys.

Two disks are available: the main program disk, and an additional disk that permits two or more keys to be programmed so that pressing them in sequence speaks a specific message.

Product Name: Talking Literacy Kit for the Apple IIe (TALK)

Vendor: American Printing House for the Blind (APH)

Computer: Apple IIe

Manual Form: Audiotape Manual, Printed Manual

Cost: $44.88 - $84.14

The Talking Literacy Kit (TALK) for the Apple IIe is a set of materials designed to provide visually impaired children and adults with their first exposure to microcomputers. Tactile, auditory and visual experiences are used. The Teacher Kit includes 11 computer parts for tactile inspection, a keyboard model with brailled keys, a teacher's manual (in print and on cassette), three braille reference guides, and two pieces of speech-output software. The Student Kit includes the following programs: APH Presents the Talking Apple (an introduction to Apple computers and TEXTALKER commands), and Talking Writer (a program that contains a typing tutor, three games, and an introduction to word processing).

TALK requires an appropriate Echo speech synthesizer. The student's version of TALK is $44.88; the teacher's is $84.14.

Product Name: Talking Nouns, Talking Nouns II, and Talking Verbs

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $115.00 - $130.00 each

The Talking Series is a set of three programs that continues training on the words introduced in First Words, First Words II, and First Verbs (see entries). Each program includes a plastic template that slides over the TouchWindow. A PowerPad version is also available for the Apple IIe. Activities include: Interactive Communication (students press a word, phrase, or picture to see pictures and hear grammatically correct sentences), Picture Identification (students find a word by touching its corresponding picture), Picture Matching (the student touches the picture on the template that corresponds to the picture on the monitor), and Nouns by Category (provides practice in categorizing the nouns from First Words and First Words II).

The Apple II version ($115.00) requires 128K memory, a monitor, a speech synthesizer, a TouchWindow or PowerPad (see entries), and a 5.25" disk drive. The Apple IIGS version ($130.00) requires 1 MB memory, ROM version 01 or later, RGB monitor, a TouchWindow, and a 3.5" disk drive. The IBM version ($130.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, a TouchWindow, and a 3.5" disk drive. A color monitor is recommended for all versions.

Product Name: Talking Public Domain Disks

Vendor: FDLRS/South Enabling Technologies Lab

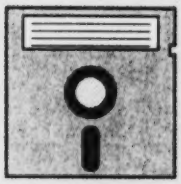
Computer: Apple IIGS, Apple IIe

Manual Form: Electronic Manual

Cost: Free

Sets of public domain software are available on disk with voice output, from the Florida Diagnostic and Learning Resource System/South (FDLRS/South). The programs were selected and adapted so that synthesized voice output would provide all the information that the screen provides, so that they could be used by visually impaired students. The disks contain primarily educational programs. There are currently 78 "volumes," each volume being a side of a disk (disks are filled on both sides). There is a disk of Morse code programs for amateur radio, a DOS utilities disk, six disks on math, fourteen disks on language arts, four on social studies, two with musical selections, one with a typing drill program, and seven with educational games. There are also disks with High School subject matter: seven on computer science, four on general science and physics, two on math, and seven on industrial arts. The rest of the disks are PRODOS programs related to word processing.

A speech synthesizer is required to use the programs with voice output. While this no cost for the programs, two blank diskettes must be sent to FDLRS/South.



Product Name: Talking Riddles
Vendor: Cross Educational Software
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $24.95

Talking Riddles is a spelling and educational practice program with voice output. One game format presents 120 riddles in hangman format where the user must guess the answer by typing letters. Another format has 91 sayings to be guessed from short spoken clues. A third format contains 112 adjectives and 112 similes, for users to match a noun to fit a simile.

An Echo II speech synthesizer is required for voice output.

Product Name: Talking Touch Window
Vendor: Edmark Corporation
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $79.95

Talking Touch Window (formerly Talking With Your Touch Window) is a simple program for speech output with the Touch Window (see entry). The user can program any part of the Touch Window to represent a particular word or phrase. When that part is touched a speech synthesizer speaks the programmed word or phrase. Overlays can be created with words, pictures or symbols for the areas of the Touch Window corresponding to particular vocabulary.

A Touch Window and an Echo speech synthesizer are required to use Talking Touch Window.

Product Name: Talking Toys

Vendor: Easter Seals and Lehigh Valley Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $2.00 & one blank disk

Talking Toys is a software program similar to Single Choice Toy Program (see entry), but with a different length of run time. This permits talking toys, such as Teddy Ruxpin, to be run for a pre-set length of time. The computer will then prompt the child, using the child's name, to press the switch again. Graphics of popular talking toys are provided.

The interface board for connecting the toys to the computer must be constructed; plans are provided. (This is the same board required for the Single Choice Toy Program; see entry.)

Product Name: Target

Vendor: Personal Computer Resources (PCR)

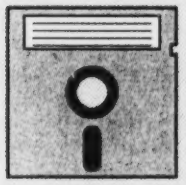
Computer: Apple II Family

Manual Form: Printed Manual

Cost: $75.00

Target is a software program designed to teach row/column, stepped, directed, and latched scanning. Target may also serve as a communication program. The video display may be divided into seven different square arrays containing 1, 4, 9, 16, 25, 36, or 49 frames. Scanning is controlled by the button of a joystick in standard or adapted form. To accent the arrays, acetate overlays may be attached to the display.

Instructions for making acetate overlays are included with the program. Contact the vendor regarding the availability of custom hardware modifications.



Product Name: Tea Party

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Tea Party is a computer program designed as a follow-up to "Let's Go Shopping" (see entry). Using a PowerPad or IntelliKeys overlay, players "shop" at four different stores to select items for a tea party.

A speech synthesizer, PowerPad or IntelliKeys, and color monitor are required; for the Macintosh, an Apple IIe emulation card is also needed.

Product Name: Teenage Switch Progressions

Vendor: R.J. Cooper & Associates

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.00 - $90.00

Teenage Switch Progressions is a set of five computer programs designed to be used by persons attempting transition from randomly activating a switch or touch screen for observation learning to activating a switch for specific timing. The five levels of programs are: cause/effect (level 0), attending to extended tasks (level 1), following directions (level 2), and responding to visual/auditory cues (levels 3 and 4). The scenes presented are twice as long as those in Children's Switch Progressions (see entry).

An Apple computer with 128K of memory is required to use Teenage Switch Progressions. The software is distributed as shareware; after ten free trial uses, the user must call the manufacturer to arrange payment and receive a password that enables continued use of the disk. The set of programs are $75.00 for Apple computers and $90.00 for IBM PCs. An Echo speech synthesizer is recommended on Apple computers and Soundblaster on IBMs.

Product Name: Telling Time, Parts of the Face, Learning Colors

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Telling Time, Parts of the Face, and Learning Colors are three programs with voice output designed to teach basic skills. Telling Time presents a clock face on the computer screen. Parts of the Face shows a color picture of a face and asks the student to identify parts. A correct answer is rewarded by a short refrain of a song. Learning Colors presents the full computer screen in a single color, and prompts the student to decide whether it is a certain color. The student answers yes or no using one of two switches.

A speech synthesizer is required for voice output. Contact the manufacturer about connecting switches to the computer. These programs were developed through the Telephone Pioneers of America, and are provided free to anyone interested.

Product Name: There's a Mouse in the Toybox (K09)

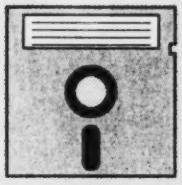
Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS

Manual Form:

Cost: $60.00

There's a Mouse in the Toybox is a program designed to train the user in computer mouse use. Using graphic activities, the user practices "point and click" and "click and drag" skills. Activities include: Mouse and Cheese, Cityscape, Click Paint, Create-A-Thing, Stack 'Em, Barrels, and Puzzler.



Product Name: This is the Way We Wash Our Face
Vendor: UCLA/LAUSD Microcomputer Project
Computer: Apple IIe, Apple Macintosh Family
Manual Form: Printed Manual
Cost: $35.00

This is the Way We Wash Our Face is a program that uses this familiar song to help teach such skills as turn-taking, sharing, beginning sequencing, and socialization in a small group. The program uses the PowerPad or IntelliKeys and an overlay that contains five pictures. By pressing on a picture, the student can hear the verse of "This is the Way. . ." that pertains to that picture. The program also presents an animated graphic for the verse. The "scene" on the computer screen returns to a bedroom scene after each verse, at which time another verse can be selected. The PowerPad can be passed amongst a group of students, each one taking a turn selecting a song. The song is sung by a speech synthesizer. The instructor must load the program and begin it; after that the students can operate it themselves.

The program requires a color monitor, a speech synthesizer, and a PowerPad or IntelliKeys; for the Macintosh, an Apple IIe emulation card is also needed. The manufacturer suggests that this program be used with children ages 18 months to three years.

Product Name: Timekeeper
Vendor: Edmark Corporation
Computer: Apple II Family
Manual Form:
Cost: $39.95

Timekeeper is a computer program intended to teach the skill of telling time. Practice is provided in setting both analog and digital clocks, as well as matching both to time displayed as text. The teacher or clinician can control increments of time intervals (one hour, 15 minutes, five minutes, etc.) as well as other options. Musical and color graphic reinforcement is provided.

Timekeeper requires an Apple II computer with 64K of memory and a color monitor. Use of a TouchWindow (see entry) is optional.

Product Name: Touch and Match
Vendor: Edmark Corporation
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $29.95

Touch and Match is designed to develop the ability to find differences and similarities among categories of objects, and to match these objects based on their similarities or differences. Three main activities focus on matching identical pictures, finding which picture goes with another, and which picture does not belong.

Over 60 pictures of common objects in seven categories are included. Teachers can pick the category of objects to be addressed for each student. Features include data on right and wrong answers and a test mode. Selections are made by pointing to and pressing a picture on the TouchWindow (see entry).

Product Name: Touch and See
Vendor: Edmark Corporation
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $39.95

Touch and See is designed to teach matching of similar objects, while developing attention and short term memory skills. Twelve boxes with pictures or words beneath them are displayed. When a box is pressed, it reveals a shape, picture, letter or word. The matching box must then be found. Eight different levels of items can be presented for matching, including shapes, upper case letters, lower case letters, upper and lower case letters, numbers, pictures, pictures and words, and words.

The teacher has the option of selecting how much time children will have to complete the lesson (30, 45, 60 or 90 seconds). With the TouchWindow (see entry), touching the boxes on the screen reveals what is underneath without using the keyboard.

Product Name: Trace Math Aid

Vendor: Computers to Help People, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $15.00 - $25.00

The Trace Math Aid is a program designed to assist students with physical disabilities in doing math exercises. The Math Aid does not generate math problems or correct them; it only acts as a worksheet area suited to single-finger or headstick typists. Special functions of Math Aid include on-screen borrowing and carrying operations. When finished working problems, the student may print them on a printer or save worksheets on disk for future reference. Worksheets may also be prepared in advance by a teacher or student.

The Apple version of the Trace Math Aid is $15.00; the IBM version is $25.00.

Product Name: Transportation Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $289.00

Transportation Signs is a eight-disk microcomputer program that teaches signs which are essential for getting around within a community and for employment in the transportation industry. The disks cover common signs (e.g., "Don't Walk," "No U Turn," "People Working," "Handicapped Parking," "Slippery When Wet"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, plus an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

The program includes 8 disks, an administration manual, and 6 workbooks. Apple II versions require 64K of meory and IBM versions require 256K; both need a speech synthesizer.

Product Name: Twenty Categories

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $200.00

Twenty Categories is a program that provides practice in using categorization skills through the use of multiple choice questions. Three hundred nouns in 20 categories are contained on two disks. The questions train categorization concepts in three ways: Inclusion Category to Noun, Inclusion Noun to Category, and Exclusion Category to Noun. Text and optional speech output ask the student to select the correct answer from among three choices. An animated scorekeeping display is optional. Scan speed, response time, and criterion for ending the lesson can be adjusted. Lesson summmaries and test performances may be viewed on-screen or printed.

Twenty Categories requires an Apple II computer with 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. A color monitor, TouchWindow (see entry), and printer are recommended. Interface options include TouchWindow, a single switch, the keyboard, or a game controller.

Product Name: Type to Learn

Vendor: Wings for Learning/Sunburst Communications

Computer: Apple II Family, IBM PC Family, IBM PC jr

Manual Form: Printed Manual

Cost: $75.00

Type to Learn is a program to teach keyboarding skills. Type to Learn incorporates a number of features for teachers who are working with students with disabilities. These include: setting vocabulary level, adjusting speed and accuracy goals, and displaying letters on the screen in regular or large print. Parts of the program are: "Learn New Keys," "Games" (drills for keys learned), "Speed Up" (speed-building exercises), "Scratch Pad" (one-page word processor), and a teacher management system (for controlling options and keeping records). Generally, when a mistake is made, the student is shown how to correct it and there is no penalty. The games and text in Type to Learn have been planned to appeal to all ages, so that the program can be used with older students. A textbook and a gradebook disk are available.

Product Name: Type-Hype

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $39.95

Type-Hype is a keyboarding instruction program that displays characters in large type. The program displays a picture of the keyboard on the screen, along with an image of a pair of hands. The program shows which fingers are used to press which keys and provides typing exercises. The program offers a set of 40 short lessons, a set of 20 longer lessons, and 20 sample paragraph lessons. The lessons provided include Home Row, Colors, Numbers, Days, States, Sports, Countries, and frequent letter combinations. Custom lessons can be created, edited, or deleted. The contents of lessons can also be printed out. Letters presented on the screen appear in 20-column type.

Type-Hype will run on an Apple IIgs in IIe emulation mode, but does not show the exact same key layout as the IIgs keyboard. A five disk Lab Pack is available for $139.95.

Product Name: Understanding Attributes

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form:

Cost: $99.50

Understanding Attributes is a program that provides opportunities for improving adjective or attribute use. The user must first find the attribute in a sentence, e.g., "Find the word that shows SIZE in the sentence: 'It is a large box.'" Then the user must select a new size for the box from three possibilities, such as green, square, or small. The space bar and return key are the only keys used when running this program. The program keeps track of progress and prints progress reports. An authoring option allows the clinician to create lessons. Lessons can be displayed on the screen or sent to a printer.

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Product Name: Understanding Questions I

Vendor: Sunset Software

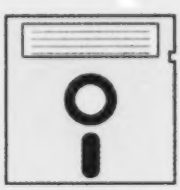
Computer: Apple II Family

Manual Form: Printed Manual

Cost: $32.95

Understanding Questions I is a reading comprehension program that presents who, what, when, where, why, and how questions and two possible answers, only one of which is correct in context--e.g., "Where is he eating? (1) Leonard, (2) kitchen". The user presses the number key (1 or 2) that corresponds with the correct answer. Three hundred questions are included. Feedback is given on each response. Bar and line graphs may be presented to display current and past session performance. Data may be saved to disk for later review.

The program is not copy-protected.



Product Name: Understanding Questions II: More Questions

Vendor: Sunset Software

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form:

Cost: $52.95

Understanding Questions II: More Questions is a reading comprehension program that presents who, what, when, where, why, and how questions and two possible answers, only one of which is correct in context--e.g., "Why is she fishing? (1) for fun, (2) the lake." The user presses the number key (1 or 2) that corresponds with the correct answer. Over five hundred questions are included. Feedback is given on each response. Bar and line graphs may be presented to display current and past session performance. Data may be saved to disk for later review.

The program is not copy-protected. The program may be transferred to a hard disk or RAM disk to increase running speed. Understanding Questions II is also available on Sunset Software Volume #1, a 3.5" disk that contains four other Sunset programs and costs $149.95.

Product Name: Understanding Sentences I: Finding Absurdities

Vendor: Sunset Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $32.95

Understanding Sentences I: Finding Absurdities is a reading comprehension program that presents an absurd sentence and asks the user to select the word in the sentence that does not make sense in context. Fifty sentence sets (sentence and choices) are included. All responses are multiple choice and require the user to press the number key (1, 2, or 3) that corresponds with the answer. Feedback is given on each response. Bar and line graphs may be presented to display current and past session performance. Data may be saved to disk for later review.

The program is not copy-protected.

Product Name: Understanding Sentences II: Abstract Meanings

Vendor: Sunset Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $42.95

Understanding Sentences II: Abstract Meanings is a reading comprehension program that presents a proverb or cliche and asks the user to select the correct meaning from three possible options. Sixty sentences with possible meanings are included. All responses are multiple choice and require the user to press the number key (1, 2, or 3) that corresponds with the answer. Feedback is given on each response. Bar and line graphs may be presented to display current and past session performance. Data may be saved to disk for later review.

The program is not copy-protected. An Apple II with at least 64K of RAM is required. The program can be transferred to a hard disk or RAM disk to increase running speed. Understanding Sentences II is also available on Sunset Software Volume #1, a 3.5" disk that contains four other Sunset programs and costs $149.95.

Product Name: Understanding Stories I

Vendor: Sunset Software

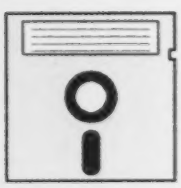
Computer: Apple II Family

Manual Form: Printed Manual

Cost: $42.95

Understanding Stories I is a reading comprehension program that presents a short story and a series of three statements, only one of which is true according to the story. The user presses the number key (1, 2, or 3) that corresponds with the correct answer. Fifty story sets (stories and choices) are included. Feedback is given on each response. Bar and line graphs may be presented to display current and past session performance. Data may be saved to disk for later review.

The program is not copy-protected.



Product Name: Understanding Stories II: More Stories

Vendor: Sunset Software

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $52.95

Understanding Stories II: More Stories is a reading comprehension program that presents a short story and a series of three statements, only one of which is true according to the story. The user presses the number key (1, 2, or 3) that corresponds with the correct answer. One hundred story sets (stories and choices) are included. The statements may be viewed simultaneously with the story or after the story has been erased from the screen. The clinician may control the number of stories presented. Feedback is given on each response. Bar and line graphs may be presented to display current and past session performance. Data may be saved to disk for later review.

The program is not copy-protected. The program may be transferred to a hard disk or RAM disk to increase running speed. Understanding Stories II is also available on Sunset Software Volume #1, a 3.5" disk that contains four other Sunset programs and costs $149.95.

Product Name: Verb Fill-Ins

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $99.50

Verb Fill-Ins is a program designed to provide cognitive training in use of verbs. A sentence with the verb missing is presented, followed by a list of three verbs. The user selects the appropriate verb using the space bar and the return key. The program provides visual and auditory reinforcement. Verb Fill-Ins has features that keep track of user progress and allow clinicians to author their own programs.

Product Name: Verbal Analogies

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form:

Cost: $99.50

Verbal Analogies is a computer program that provides drills in building and understanding vocabulary. Analogies are presented (e.g., "SEVEN is to EIGHT as TWO is to ..."), and the client is asked to select the correct answer from a list of five possibilities (e.g., "ONE, THREE, FIVE, SEVEN, NINE"). The clinician may develop lessons, save progress information on up to ten clients, and print out progress reports and lessons.

Verbal Analogies is available in 3-1/2" or 5-1/4" sizes.

Product Name: Video Voice Speech Training System

Vendor: Micro Video Corp.

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $2,995.00

The Video Voice Speech Training System is a combination of specialized hardware and software programs that provides graphic representations of vocal sounds on a color monitor screen. The system includes facilities for training vowels, word articulation, pitch and volume controls, and rhythmic elements of connected speech. Models of targets provided by the teacher or therapist are stored on disk. Either live, game-style, or immediate, direct-overlay feedback may be selected for therapy work. A variety of game formats are also included. Voice trials are scored for closeness to the model, and cartoon rewards appear when the score exceeds a therapist-selected performance goal. Models may quickly be adjusted to reflect improved production of targets. Scores may be stored on disk for later review in single session reports or cross-time analyses of progress.

The Apple II version requires two 5.25" disk drives; the Macintosh LC version requires an Apple IIe emulator card; the IBM version requires 640K and one 5.25" or 3.5" disk drive. All versions require a color monitor (the IBM version supports CGA and EGA/VGA) and a custom A-D card (included).

Product Name: Visi-Pitch Model 6095/6097

Vendor: Kay Elemetrics Corporation

Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PS/2 Models 25/30

Manual Form: Printed Manual

Cost: $2,950.00

Visi-Pitch Models 6095 (for Apple IIe and IIGS computers) and 6097 (for IBM PC or PS/2 Model 25 or 30 computers) are systems that display various qualities of speech visually on a computer screen. Speech parameters that can be viewed include pitch, intensity, glottal onset, V.O.T., vocal roughness, and timing. In therapy, a model voice pattern can be stored on the screen and then displayed for comparison to a client's speech pattern. Visi-Pitch consists of an external electronic unit, an internal circuit card, and special software. Data on the screen can also be printed out.

Product Name: VISPA

Vendor: DEKRO, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual, Large Print Manual

Cost: $500.00 - $4,000.00

VISPA is cognitive rehabilitation software designed specifically for persons with visuospatial deficits. The program currently consists of ten groups of exercises: Scanning, Visual Matching, Completing Lines, Completing Figures, Construction Praxis, Complex Construction Praxis, Error Detection, Cancellation, Park a Car, and Drive a Car, plus an Assessment and an Acquaintance program. Each exercise emphasizes several skills, and some skills are covered in more than one exercise. The VISPA program reacts to the user's responses, increasing the difficulty when the user improves performance and switching to the next exercise when the user has reached a peak of proficiency. The program employs colored animated graphics and immediate, consistent and positive feedback to the user. All exercises are controlled with a light pen or mouse rather than the standard keyboard. A printout of results is generated at the end of each session.

Separate children's and adult versions are available. VISPA is available in English, Spanish, French, Dutch, and German. Instruction manuals are printed in large print on laminated paper. The cost is $500.00 per group of exercises, or $4,000.00 for the entire VISPA package. A demo disk is available.

Product Name: Visuospatial Skills I

Vendor: Psychological Software Services, Inc.

Computer: Apple II Family, Atari Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $150.00 - $175.00

Visuospatial Skills I is a series of six visual spatial training programs. Maze I, II records time and errors for user to maneuver through a floor plan as rapidly as possible without hitting the walls. Cube-in-the-Box I, II records time intervals for user to keep a cursor in a randomly jumping frame. Line Orientation I, II displays an array of lines and asks the user to rotate a single line on the right of the screen to match a randomly selected item in the array, matching either visually or from memory. Fine Motor asks the user to maneuver the cursor along a track on the screen at a fast but steady pace (cursor will disappear briefly if user proceeds too quickly); program records time and number of restarts. Visual Perception (Closure and Integration of Parts) records success at recognizing a shape from visual presentation through a vertical slit sweeping across the screen, exposing only a portion at a time. Paddle Ball asks user to intercept a ball at the bottom of screen with game paddle to keep it in play.

Programs require use of paddles or joystick; contact manufacturer for details. The program is $150.00 for the Atari and Apple versions, and $175.00 for the IBM version.

Product Name: Visuospatial Skills II

Vendor: Psychological Software Services, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $175.00

Visuospatial Skills II is a series of seven visual spatial training programs. Perceptual/Motor I requires the user to position a line so that it mimics a target line. Guess Which Shape fills in a figure so that it emulates one of four, eight, or 16 target shapes; the user has to identify which target shape is being filled in. How Many Block requires the user to enter the number of blocks required to create a randomly-drawn pattern. Labyrinth is a 3-dimensional maze that is run within a designated time and penalty limit. Figure/Ground Perception requires identification of a drawing that emerges from a screen full of colored blocks within a time limit. Designer Patterns requires copying of a target design. Spatial Perception I requires the user to identify which block in a 5 x 5 matrix has just flashed on and off; the speed of presentation varies according to the number of correct and incorrect responses.

Contact manufacturer for details on input devices appropriate for use with Visuospatial Skills II.

Product Name: Voice Activated Graphics

Vendor: Easter Seals and Lehigh Valley Microcomputer Project

Computer: Apple II+, Apple IIc, Apple IIe

Manual Form:

Cost: $2.00 & one blank disk

Voice Activated Graphics is a program that generates graphics on the computer screen as long as speech or vocalization is present. The computer is interfaced with a tape recorder and microphone. When speech or any vocalization is made into the microphone, the graphic moves. When vocalization stops, the graphic stops. A choice of graphics is offered.

The package includes one disk and directions for connecting the tape recorder to the computer. To obtain the software, send one blank disk and two dollars.

Product Name: Voice Math
Vendor: Chatterbox Voice Learning Systems
Computer: Apple II+, Apple IIGS, Apple IIe
Manual Form: Printed Manual
Cost: $295.00

Voice Math uses voice input and voice output to improve math skills. Math skills covered include numbers, time, dates and shapes. During training items are presented both on the screen and by the speech synthesizer. The student repeats the items to train the voice recognition unit in how the student says them. After training, items are presented on the screen and the child responds verbally. If the student is incorrect, the correct response is spoken by the speech synthesizer. The student then gets two more opportunities to answer.

Voice Math will not work with the Apple IIc. The program includes the software and a Sony headset/microphone. The Echo speech synthesizer and the Introvoice input module must be purchased separately.

Product Name: Voice Reading Ability Drill
Vendor: Chatterbox Voice Learning Systems
Computer: Apple II+, Apple IIGS, Apple IIe
Manual Form: Printed Manual
Cost: $295.00

The Voice Reading Ability Drill uses voice input and voice output to improve reading skills. During training, each word is presented as an illustration, in printed form, and spoken by the speech synthesizer. The student repeats the word to train the voice recognition component in the way that student says it. After training, each word is printed on the screen. If the student reads it aloud accurately, the illustration is presented along with a tune. If not, the correct word is spoken by the speech synthesizer. The student then gets two more opportunities to read the word.

The program includes 15 disk sides, headset/microphone and complete documentation. Approximately 800 words are organized into 4 levels: 120 short vowel words, 120 short vowel/consonant blend words, 120 long vowel and vowel blend words, and 200 sight words. The program will not run on the Apple IIc. Echo II speech synthesizer and Introvoice input module are required but not included.

Product Name: Wheels On The Bus I, II, and III

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $35.00 each

Wheels on the Bus I is a program that sings a song and shows animated pictures to go with it. A five-square overlay is placed on a PowerPad or IntelliKeys. Each overlay has a picture pertaining to a verse of the popular preschool song. When a square is touched, it activates the verse indicated by that picture. The song is sung by a speech synthesizer. Target skills include turn-taking, sharing, beginning sequencing, socialization in a small group, and picture recognition. The instructor must insert the disk and start the program; after that the students can play independently. Wheels on the Bus II and III provide additional verses of the nursery school songs.

Wheels on the Bus requires a color monitor, a PowerPad, and an Echo speech synthesizer. The suggested age range for use is 18 months to three years.

Product Name: Where is Puff?

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Where is Puff? is a software program intended to teach the use of prepositions. Prepositions taught include: in, on, under, in front of, in back of, and next to. The scanning rate may be adjusted, and data may be collected on the student's progress.

A speech synthesizer, color monitor, and single switch are required; for the Macintosh, an Apple IIe emulation card is also needed.

Product Name: Word Memory Programs

Vendor: Instructional/Communications Technology, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $75.00 per set

Word Memory Programs is a word recognition and visual memory training program presented in three steps. Step 1: Word Scan presents a target word in a sentence, followed by random word drills, three words per line, which scan left to right at 30 - 180 words per minute. The student must count each appearance of the target word either by hitting space bar or by counting silently. Step 2: Word Flash presents the same target words in sentences as in Step 1 except that the target word is missing from the sentence; users must enter missing word by selecting it from foils or typing it from memory, depending on difficulty level selected. Step 3: Follow-Up reports on student success on hard and easy words, and stores performance data for later use.

Nineteen Word Memory Programs are available in four levels of difficulty, with choice of vocabulary options selected from basal reading series or manufacturer developed reading vocabularies.

Product Name: Word Order in Sentences

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form:

Cost: $99.50

Word Order in Sentences is a computer program designed to teach sentence structure. A scrambled sentence (e.g., "WEAR THOSE PANTS I CAN'T") is presented; the client presses the space bar to change the order of the words. The clinician may design lessons, save progress information for up to ten clients, and print out progress reports and lessons.

Word Order in Sentences is available on 3-1/2" or 5-1/4" disks.

Product Name: WORDMASTER

Vendor: Slosson Educational Publications, Inc.

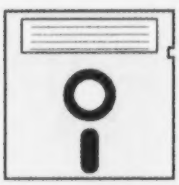
Computer: Apple II Family

Manual Form:

Cost: $90.00

WORDMASTER is a computer program for training sight recognition of words that do not follow standard phonetic rules. Up to 25 words can be presented in a maximum of 20 word lists. The instructional program leads the student through four sequential steps: See-Hear-Spell, where the word is shown on the screen and pronounced by the speech synthesizer, prompting the client to spell the word; See-Hear-Match, where the client is prompted to find a word presented on the screen in a list of words; See-Hear-Find, where the word is flashed on the screen momentarily and the client is prompted to find the word in a list of words relying on memory; and Hear-Find, where the client finds the correct word in a word list after only hearing it.

An Echo speech synthesizer (extra) is necessary to use the speech component of WORDMASTER; the program may also be run without using the speech output.



Product Name: Wordplay with Alps and Droops

Vendor: Optimal-Ed Learning Materials

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.95

Wordplay with Alps and Droops is an educational program in game format, designed to teach basic reading and spelling skills to dyslexic students. The student becomes a Wordseeker in Wordland, aided by Alps and thwarted by Droops. The games concentrate on three different skill areas: Reading Comprehension, Phonic Analysis, and Spelling. Seventeen different levels of play are possible, each concentrating on a different group of phonic patterns. These levels are arranged in developmental learning order. One to four players can play at a time.

Product Name: Words and Concepts I, II, III

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00 each

Words and Concepts is a set of three programs that integrate language and concept training using speech output and pictures of 40 nouns. Each program offers the following activities using different core vocabularies and pictures, usually at three levels of difficulty: Vocabulary, Categorization, Word Identification by Function, Word Association, Concept-Same, and Concept-Different. Scan speed, response time, and criterion for ending the lesson can be adjusted. Interface options include Touch Window (see entry), a single switch, the keyboard, and a game controller. A mouse option is available for the Apple IIGS and IBM versions. Lesson summaries and test performance results can be viewed on-screen or printed; records can be saved to disk on Apple IIGS and IBM versions.

The Apple II version ($200.00) requires 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 1 MB memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive.

Product Name: Worm Squirm

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $35.00

Worm Squirm is a program designed to help develop fine motor skills, spatial relationships and directional concepts. The student tries to direct a worm through a path on the computer screen. The worm can be directed by pressing four large arrows (up, down, right, left) on the PowerPad expanded keyboard (see entry).

A color monitor and PowerPad or IntelliKeys are required to operate Worm Squirm; for the Macintosh, an Apple IIe emulation card is also needed. The program is recommended for children age three to first grade.

Product Name: Write

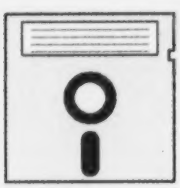
Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $50.00

Write is a program that displays up to twenty words or phrases in large type on the screen. The user is prompted to copy the word letter by letter at the top of the screen. Sentences build up at the bottom. The user may also write words without copying, and new words may be entered into the available list on the spot. Sentences constructed may then be printed or spoken through a voice synthesizer. Write also allows the user to match letter by letter. Words may be spoken letter by letter, a word at a time, or a sentence at a time. Write features an automatic shift and audible feedback when a key is pressed.



Product Name: WSCC (Washington State Cooperative Curriculum)

Vendor: J.E. Stewart

Computer: Apple II Family, IBM PC Family

Manual Form:

Cost: $17.00 per disk

WSCC (Washington State Cooperative Curriculum) is a collection of educational software programs designed for users with severe and profound disabilities. The programs have directed goals and objectives; the set includes 289 goals and 22,834 objectives in all. Titles include: socialization, self help, gross motor, communication, pre-vocational, academic, and leisure. WSCC includes 23 disks which may be purchased separately or as a set.

Product Name: Zero to Five

Vendor: Educational Technology International

Computer: Apple IIGS, Apple IIe, Commodore 64, IBM PC Family

Manual Form:

Cost: $1,750.00 - $2,750.00

Zero to Five (also known as "Project LIght") is a series of computer programs on interactive laser discs for developing pre-reading skills, vocabulary, grammar principles, and basic sentence structure. The software consists of CDs for CD-ROM use and two interactive video discs. A laser disc player (extra) and controller (included) are required.

Three packages are available. Package 1 ($1,750.00) contains the Pre-Reading Series, consisting of Perceptual Training (which provides drills in visual perception skills) and Perceptual Thinking (which teaches a variety of thought tasks). Package 1 also contains Level I and II of the Language/Reading series, which provide training in basic language and reading skills. Package 2 ($1,750.00) contains Levels III, IV, and V which provide drills in advanced verb and question forms and parts of speech, as well as basic reading materials and the Social Studies Series covering basic U.S. geography and natural resources. Package 3 ($2,750.00) contains all the lessons in both Package 1 and 2. All programs contain diagnostic placement pre- and post-tests. Contact manufacturer for details about a hardware package.

Product Name: Zoo Time

Vendor: UCLA/LAUSD Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Manual Form:

Cost: $35.00

Zoo Time is a computer program that presents five zoo animals. At level 1, the child may select any animal from the PowerPad or IntelliKeys overlay. At level 2, the child selects an animal from a name cue. At level 3, the child selects an animal based on a given action.

A speech synthesizer, PowerPad or IntelliKeys, and color monitor are required; for the Macintosh, an Apple IIe emulation card is also needed.

Chapter 21

Recreation Software

This chapter includes programs whose primary function is to provide recreation. If a program has a game format, but the primary function is education and training, it will be listed in Chapter 20, but it will also be cross listed in Index 1, under the function codes Recreation (RE) or Games (GA).

Other related functions listed in Index 1 include Drawing (DR), and Education, Training and Therapy (ET).

Appendix B lists information resources on Adaptive Toys and Toy Modifications, and also Software Resources.

The following product entries appear in this chapter:

Electric Crayon and Electric Crayon Deluxe, *715*
H:1 Handicapped Word Games, *715*
Motor Training Games, *716*
Talking Games #1, *716*

The following products from other chapters can also be used for Recreation:

Audio Braille Game Tutorial, *557*
Blazing Paddles, *561*
Equalizer, *102*
H:2 Handicapped Arithmetic Flash Cards, *608*
Hands Free Controller, *320*
Human Being Machine, *610*
Leo's 'Lectric Paintbrush, *740*
Lite Touch, *333*
Maze, *634*
MicroIllustrator, *743*
Mount Murdoch, *640*
Mouth Operated Joystick for Nintendo, *342*
Picture Perfect, *750*
PowerPad, *354*
Race the Clock, *659*
SwitchEnsemble, *685*
TouchWindow, *380*

Product Name: Electric Crayon and Electric Crayon Deluxe

Vendor: Merit Software

Computer: Apple IIGS, Apple IIc, Apple IIe, Commodore 64, IBM PC Family

Manual Form: Printed Manual

Cost: $12.95 - $14.95 each

Electric Crayon is a program that provides line drawings on the computer screen which can be colored. The program can be controlled by the keyboard, a joystick or a mouse. The user directs a crayon-shaped pointer to a set of colors on the screen. The desired color is selected, and the "crayon" turns to that color. The user then moves to the line drawing on the screen, directs the "crayon" to the desired area, and presses a button or key. That area of the drawing changes to the appropriate color. Finished pictures can be printed on a color printer or the line drawings can be printed on a black-and-white printer and colored by hand; contact manufacturer about printer compatibility. Drawings can be printed as calendars.

The eight titles currently available are: ABCs, Fun on the Farm, and This Land is Your Land, Holidays and Seasons, Dinosaurs are Forever, and three "Sesame Street Crayon" titles. Electric Crayon Deluxe, for which the titles Dinosaurs are Forever, At the Zoo, All Dogs Go to Heaven, and Holidays and Seasons are available, can print with just the description of the drawing colored, is able to print banners, and includes four-color stickers. 3.5" inch disks are $12.95 each, 5.25" disks are $14.95.

Product Name: H:1 Handicapped Word Games

Vendor: E. David & Associates

Computer: Commodore 64, TRS-80 Model III

Manual Form: Printed Manual

Cost: $24.95

H:1 Handicapped Word Games is a variation of the games "hangman" and "scramble" made accessible to persons unable to accurately touch the computer keyboard. In this version, both the unknown word and definition are displayed, to practice both vocabulary and spelling skills. Vocabulary and definitions are user-specifiable.

Product Name: Motor Training Games

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $15.00

Motor Training Games are recreation/training programs for the Apple family of computers. Motor Training Games are operated by one or two motor movements, and are designed to acquaint disabled individuals with control switches in a comfortable, low-stress atmosphere. Motor Training Games are also designed to aid therapists in evaluating and refining the motor abilities of a particular user. Motor Training Games consists of fourteen games appropriate for preschool through teen users, or higher.

One or two microswitches must be substituted for, or wired in parallel with, the Apple game buttons through the game I/O port.

Product Name: Talking Games #1

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $25.00

Talking Games #1 contains original and enhanced public domain games for blind and visually impaired users. The two-sided disk includes Hangman, Lunar Lander, Tic Tac Toe, Blackjack, golf, and others.

An Apple II with at least 64K and an appropriate model Echo speech synthesizer are required.

Chapter 22

Personal Tool and Aid Software

This chapter contains software programs that are designed to be used on a long term basis by an individual as a personal tool or prosthesis. This includes programs which facilitate an individual's ability to communicate, write, draw, control, and move about. Programs whose primary function is to train or educate are in the Education, Training and Therapy chapter (Chapter 20). Software designed specifically to allow disabled computer users to access other software is included in Chapters 10, 11, and 14. Some examples of programs found in this chapter are: word processing programs with large print, software for environmental control, drawing programs utilizing special input devices, software for communication or conversing by synthesized speech, and braille translation and formatting programs.

Many of the programs in this chapter are also cross-listed by function in Index 1. Related functions include: Conversation/Interaction (CI), Braille (BR), Word Processing (WP) and Environmental Control (EC).

Appendixes A-C contain information summaries on a variety of topics, including: Software Resources; Networks, Bulletin Boards and Databases; and Newsletters and Journals.

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AppleWorks Companion, *719*
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Duxbury Braille Editor (Edgar), *728*
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FreeBoard, *734*
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Help U Type and Speak, *735*
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IBM-VBII, *736*
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IntelliTalk, *737*
KeyMouse, *738*
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Large Print Word Processors, *739*
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Low Vision Editor (LVE) and LVE23, *740*
Mac-Apple Communications Aid, *741*
MAGic and MAGic Deluxe, *741*
MathematiX, *742*
Me Too!, *742*
MegaDots, *743*
MicroIllustrator, *743*
MindReader, *744*
Minspeak Application Programs (MAP), *744*
Multi-Line Dial-A-News System, *745*
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One-Switch Paintbrush, *746*
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PC Sift, *748*
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Peachy Writer Bold, *749*
PhoneCommunicator, *749*
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Picture Perfect, *750*
pixCELLS, *751*
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ProBraille, *752*
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Quick Textfile Converter (QTC), *753*
Ralph the Reader, *754*
RAPIDTEXT, *754*
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SPEX, *756*
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Talking Symbols, *757*
Talking Writer & Four Games, *757*
Telepathic, *758*
Term-Talk, *758*
Touch & Speak, *759*
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TRAX PAX Talking Checkbook, *760*
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TurboBraille, *761*
Type & Speak, *761*
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VERBal STAR, *763*
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The following products from other chapters can also be used as a Personal Tool or Aid:

AbiliCad, *377*
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SenSei, *363*
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VoiceCAD, *380*

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Product Name: Abbreviation/Expansion

Vendor: Zygo Industries, Inc.

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $90.00

Abbreviation/Expansion is a program that allows the user to define particular abbreviations to trigger longer strings of characters. A list of the stored abbreviations and their expansions can be recalled for review and editing. Abbreviation/Expansion functions as a text editor (very simple word processor) in its own right. Utilities provided with the program allow text created within it to be transferred to some other programs.

Abbreviation/Expansion will not work within other programs, but functions on its own as a very simple word processor. An extended 80-column card for the Apple IIe is required to use the program.

Product Name: AppleWorks Companion

Vendor: RC Systems, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Electronic Manual, Printed Manual

Cost: $49.95

AppleWorks Companion is a utility program that adds speech output and screen review to AppleWorks. The user types in text or data in the usual fashion but the Companion routes the output to the Slotbuster or DoubleTalk speech synthesizer (extra). The user can review different sections of text (letters, lines, paragraphs) using the commands programmed into the Companion. The user can hear whatever information goes to the computer screen. The Companion provides built-in macros: commands that can be entered in abbreviated form. A set of macros is provided, plus the user can create some custom macros.

AppleWorks Companion requires the Slotbuster II multifunction card with speech synthesizer or the DoubleTalk speech synthesizer (purchased separately). The Companion works with AppleWorks 2.0, does not use any of Appleworks' "desktop space," and is compatible with most memory expansion cards and the Beagle Bros. TimeOut series.

Product Name: Audible Cursor Routine

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Audible Cursor Routine is a program for communication which employs auditory scanning. The user is presented with a selection of words or phrases spoken by a speech synthesizer and transmitted to the user via earphone. The user activates a switch when the program reaches the desired item. Once a selection is made, it automatically causes a sentence or preassigned speech to be spoken by a loudspeaker.

Audible Cursor Routine requires a speech synthesizer. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Auto Braille

Vendor: Kansys, Inc.

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $95.00

Auto Braille is a memory-resident version of TurboBraille (see entry). Auto Braille will intercept program output sent to the printer device (usually the parallel port LPT1) and translate it into Grade II, Grade I, or computer Braille. The program uses the same translation table and dot commands as those used by TurboBraille.

Auto Braille occupies approximately 48K of conventional memory.

Product Name: B-Edit

Vendor: Hexagon Products

Computer: IBM PC Family

Manual Form: Electronic Manual, Large Print Manual

Cost: $39.00

B-Edit is a word processing program with character sizes that can be adjusted for all output, including help and error messages. The characters range from normal text size to large block characters that each take up four standard rows and eight standard columns. When run on video cards and monitors that support graphics, additional display sizes can be supported. B-Edit includes basic editing functions, a spelling checker with a 60, 000 word dictionary, abbreviation/expansion capability, and it also supports 50 WordStar text editing commands.

B-Edit can be used on IBM-PC table and laptop models, and is available as shareware for $39.00. Included with B-Edit are six large-character utility programs: B-Type, B-Print, and B-Dir, which provide large-character replacements for the DOS Type, Print, and Dir commands, respectively; B-Look, a text file browser; and B-Font and B-Apply, which can be used to reshape the characters used in Hexagon Products' other programs.

Product Name: B-Pop

Vendor: Hexagon Products

Computer: IBM PC Family

Manual Form: Electronic Manual, Large Print Manual

Cost: $27.00

B-Pop is a memory-resident text enlargement software program that can be used to enlarge text appearing on the screen. Once it is loaded, B-Pop may be activated and deactivated by using a "hot key." The focus may be moved around with the arrow keys; the function keys may be used to search for a character string or color attribute. When B-Pop is deactivated, the user is returned to the portion of the screen being used before B-Pop was activated.

B-Pop provides read-only screen magnification, and must be deactivated before information can be typed into the application being magnified. Included with B-Pop are six large-character utility programs: B-Type, B-Print, and B-Dir, which provide large-character replacements for the DOS Type, Print, and Dir commands, respectively; B-Look, a text file browser; and B-Font and B-Apply, which can be used to reshape the characters used in Hexagon Products' other programs.

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Product Name: BEX 3.1

Vendor: Raised Dot Computing

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Braille/Tactile Manual, Large Print Manual

Cost: $450.00

BEX is a word processor that can create large print, braille, or synthesized speech output. Large print can appear on the screen or compatible dot-matrix printers. BEX can translate standard print files to grade 2 braille, or back-translate grade 2 braille files to print. Special symbols, called translators, can be typed into the files to determine whether grade 2 or grade 1 braille is produced. Word processing functions include editing, reviewing, changing, page numbering, creating running heads, and setting margins and tabs. Three preview modes create an exact image of the printed or embossed page for visual and voice review. Cursor control allows for movement by character, word, sentence, or paragraph, with or without speech output. BEX can be learned at three levels of complexity. The program directly reads DOS 3.3 and ProDOS text files, and can import text from other computers or scanners; contact manufacturer for further information.

An Apple IIe, IIc, or IIGS computer with a minimum of 128K is required. Versions are available on both 5.25" and 3.5" disks. Contact manufacturer for details on compatibility with braille output devices, printers, and speech synthesis hardware.

Product Name: BIG for 1-2-3

Vendor: Hexagon Products

Computer: IBM PC Family

Manual Form: Electronic Manual, Large Print Manual

Cost: $39.00

BIG for 1-2-3 is a memory-resident, display-enlarging software program designed specifically to work with (but not to replace) the Lotus 1-2-3 spreadsheet program. BIG is only activated when 1-2-3 is running; the program then enlarges differing parts of the 1-2-3 display, depending on the state of the spreadsheet. For example, when 1-2-3 displays an error message, BIG automatically enlarges the bottom line of the screen, and when the user selects a 1-2-3 menu BIG enlarges the menu choices and descriptions displayed on lines 2 and 3 of the screen.

BIG requires that the 1-2-3 display screen be divided into two horizontal windows, the second of which is reserved for the BIG display. BIG works with all versions of 1-2-3; with version 3.0, text mode drivers must be used, and Perspective Windows cannot be invoked. Included with BIG are six large-character utility programs: B-Type, B-Print, and B-Dir, which provide large-character replacements for the DOS Type, Print, and Dir commands, respectively; B-Look, a text file browser; and B-Font and B-Apply, which can be used to reshape the characters used in Hexagon Products' other programs.

Product Name: BIG for WordPerfect

Vendor: Hexagon Products

Computer: IBM PC Family

Manual Form: Electronic Manual, Large Print Manual

Cost: $39.00

BIG for WordPerfect is a memory-resident, display-enlarging software program designed to work with WordPerfect versions 5.0 and 5.1 and LetterPerfect 1.0. The BIG program enlarges different parts of the screen depending on the state of WordPerfect. For example, during text input BIG enlarges WordPerfect's bottom line status and the area around the cursor; during spell checking, BIG shows the misspelled word and the replacement choices.

BIG has several other large-character utility programs built-in: B-Type, B-Dir, and B-Print, which provide large-character replacements for DOS commands; B-Look, a text file browser; and B-Font and B-Apply, which can be used to reshape the characters used in Hexagon Products' other programs. A color or Hercules monochrome graphics display is required.

Product Name: Big Text Machine

Vendor: Balloons Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $35.00 - $95.00

The Big Text Machine is a software program which displays any text file in large print on the computer screen. The rate at which characters are displayed is controlled by the user. The program also has the capability to function as an electronic message displayer; when used to display messages, there is no limit on the size of the text file being displayed. In addition to the English language, there are four other language fonts: Spanish, French, Italian, and German.

The Big Text Machine ($35.00) consists of a program disk, auto display disk, and sample file disk. A school site license is also available for $95.00. The software is compatible with Apple II series computers.

Product Name: Braille-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $195.00

Braille-Talk is a Grade One or Two Braille translator program with voice output. Braille-Talk allows standard text to be translated into Braille for embossing. No prior knowledge of text-to-Braille translation is necessary to operate Braille-Talk. Information displayed on the screen is simultaneously spoken as each key is typed. Speech output may be momentarily silenced or turned off entirely at any time.

Braille-Talk supports a variety of Braille printers as well as most commercially available speech synthesizers.

Product Name: Calc-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $95.00

Calc-Talk is a voice output program that changes the standard Apple keyboard into a 24 function calculator with ten memories. In addition to voice output, Calc-Talk displays characters that are nearly an inch high, for visually impaired users. Scientific functions included are trigonometric, logarithms, exponents, and roots. All entries, functions and answers are spoken.

Calc-Talk supports most commercially available voice synthesizers.

Product Name: CHPI Apple Tool Kit

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $15.00

The CHPI Apple Tool Kit is designed for individuals who are blind, deaf and blind, have difficulty operating a keyboard, or who type using a single finger or headstick. The Tool Kit includes a word processing program with special features for the single finger or headstick typist and a smart terminal program. It also offers Braille and grade two Braille output to a Braille printer or paperless Brailler. Morse code output is also provided, and may be sent to an internal or external speaker, or headphones. Documentation is self-contained.

Product Name: CINTEX I and II

Vendor: NanoPac, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual, Videotape Manual

Cost: $1,560.00

CINTEX I is a multi-function software package designed for use with one or more contact switches (eyebrow, sip and puff, etc.) or a joystick. The basic software contains word processing (with letter and word prediction and "sticky key" features; the word prediction is able to "learn" the words that are used most frequently), environmental control, infrared electronic device control (TVs, VCRs, stereos, and CD players), music composition, calculator, notepad, and telephone control capabilities. Cintex II allows voice input to activate all the environmental features of Cintex I. Cintex II does not have word processing functions but will pop up over any other software application. Optional modules for both include appliance modules ($25.00), Nurse Call ($25.00), Relay Closure ($40.00), and Infrared Transmitter ($995.00).

The base price of $1,560.00 includes software, phone amplifier, ECU controller, manual, and support. CINTEX II requires a serial port, an internal modem, and VoiceType or DragonDictate. CINTEX I requires 640K of memory and a game port if switch input is utilized. Contact manufacturer for information on other current and planned options for use with CINTEX, and on purchasing CINTEX with a computer.

Product Name: ClasX

Vendor: Raised Dot Computing

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Braille/Tactile Manual, Large Print Manual

Cost: $50.00

ClasX allows TranscriBEX (see entry) to be used for transcribing expressions in the Code for Computer Braille Notation (CBC) and the Provisional Guidelines for Literary Linear Braille Format (LBF). CBC is the standard for expressing computer notation; LBF is the standard for format indications for paperless braille. ClasX conforms to the guidelines and formats of these standards.

Intended for use on the Apple II series of computers, ClasX requires BEX version 3.0, TranscriBEX, and at least two disk drives. Braille manuals are available on request.

Product Name: Co:Writer

Vendor: Don Johnston Developmental Equipment

Computer: Apple Macintosh Family

Manual Form:

Cost: $290.00

Co:Writer is a software program which predicts words for the user. As a person types, this program offers the choice of up to ten words at once as selections for the next word to be typed. To use one of the "predicted" choices, the user simply selects the desired word and that word is automatically inserted into the user's text. This prediction program uses a built-in dictionary and a personalized vocabularly created by the user's word choices.

Co:Writer can be used with any Macintosh program that accepts text entry. 4MB RAM is strongly recommended.

Product Name: Communication Programs

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

These Communication Programs are designed to provide synthesized voice communication. There are two programs. The first is designed primarily for telephone communication. The user types messages on the computer keyboard and the synthesizer speaks them. The second program uses single switch scanning. Words are presented to user in the form of a system of menus. A cursor moves through the choices and the user activates a switch when the cursor reaches the desired word. In this way the words can be selected to form sentences. The sentences can be spoken by the speech synthesizer or printed on a printer. The word menus can also contain environmental control commands.

A speech synthesizer is required for voice output. Contact the manufacturer for information on adapting the second program for environmental control. These programs were developed through the Telephone Pioneers of America, and are free to anyone interested.

Product Name: Computer Aids for the Blind (40 programs)

Vendor: Computer Foundation for Handicapped Children

Computer: Commodore 64

Manual Form: Audiotape Manual, Electronic Manual

Cost: $2.50 per disk side

Computer Aids for the Blind is a set of 40 programs designed for blind and deaf-blind computer users. The programs have a variety of functions. Some provide synthesized voice output of words typed on the keyboard. Some of the programs allow spoken messages to be composed using a single switch, either by typing in Morse code or by selecting words or phrases from short lists read aloud by the synthesizer. Simple communication programs are also available: the user can trigger a tone or select a spoken "yes" or "no" with switches. There is also a voice-output word processor, as well as programs for tactile communication (the user can read text by feeling Morse code signals).

The Software Automatic Mouth (SAM) speech synthesizer is required for those programs with voice output. The full set of programs is available on a set of eight disks. Write to Don Peterson at Computer Foundation for Handicapped Children for a complete list, and for information on other special devices, such as switches and the tactile Morse code device. A free sampler disk is available.

Product Name: Computer Aids for the Non-Verbal (50 programs)

Vendor: Computer Foundation for Handicapped Children

Computer: Commodore 64

Manual Form: Electronic Manual

Cost: $2.50 per disk side

Computer Aids for the Non-Verbal is a set of 50 programs on 30 disk sides, some of which have speech output, which are designed for users who are non-vocal or who have trouble operating the keyboard. The programs have a variety of functions. Some are for communication, allowing the user to compose and speak messages by typing on the keyboard or by single-switch scanning. Some are designed to teach simple skills such as arithmetic. Others are simple YES/NO programs operated with a switch. There are also programs for telephone communication by speech synthesizer. A keyboard one-finger word processing program is included. There are joystick programs for communication, writing, BASIC programming, and drawing.

The programs that have speech require the Software Automatic Mouth (SAM) speech synthesizer. All disk sides are available separately. Write to Don Peterson at Computer Foundation for Handicapped Children for a complete list. A free sample disk is available.

Product Name: Duxbury Braille Editor (Edgar)

Vendor: Duxbury Systems, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $295.00

The Duxbury Braille Editor (Edgar) allows sighted transcribers to compose and edit Braille files. Braille can be edited by using six of the home-row keys as if they were the keys of a Perkins Brailler. Editing can also be done using Edgar's bidirectional translation capabilities. The six-dot Braille cells are graphically represented on the screen. Additional features include: multiple file editing, no practical limit on file size, and page formatting capabilities. The program also allows ASCII characters to appear on the computer screen so that a screen reader can read the document.

Edgar may be used either with or independently of the Duxbury Braille Translator (see entry). A CGA, EGA, Hercules, or VGA graphics card is required. Contact manufacturer for information on site licenses.

Product Name: Duxbury Braille Font

Vendor: Duxbury Systems, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Manual Form:

Cost: $99.00

Duxbury Braille Font is a Type 1 Font for use with Adobe Type Manager on the Apple Macintosh or IBM computer running Microsoft Windows. The font allows the 6-dot braille cell to be printed on a laser printer.

Product Name: Duxbury Braille Translator

Vendor: Duxbury Systems, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $495.00 - $2,475.00

The Duxbury Braille Translator is a text-to-Braille and Braille-to-text translation program. This translator allows a sighted person with no knowledge of Braille to type and edit text, and format it into Braille. The Duxbury Braille Translator is capable of grade 1 and grade 2 Braille output in American, British, Spanish, French, Swahili, and Arabic, and grade 1 Braille in four other languages, as well as Computer Braille Code (CBC). The system is compatible with hard and soft copy Braille output devices, and large print output devices. A Page Image Bridge (PIMBRI) permits automatic Braille formatting; codes assigned by PIMBRI may then be modified by the user. The Macintosh version has an internal editor and simulated-braille previewer.

The Duxbury Braille Translator can be used with most word processing programs. A version is also available which runs on the Versabraille II (see entry).

Product Name: Dynaread
Vendor: Computers to Help People, Inc.
Computer: IBM PC Family
Manual Form: Electronic Manual
Cost: $125.00

Dynaread is a screen reader and file reader package for the QNX operating system. Dynaread serves as a studying and notetaking program for computer users with print impairments. The program is capable of driving a variety of braille and synthesized speech output devices. Dynaread allows the user to compose text, make "marginal notes," review the text, search for key words, and ask to have reference material read along with the text. A conversion feature is provided for transferring files from various word processing programs. All documentation is included on disk.

Product Name: Echo Words PC
Vendor: Echo Speech Corporation
Computer: IBM PC Family
Manual Form:
Cost: $49.95

Echo Words PC is a software program that contains 4,000 words and phrases encoded in a female voice. These words and phrases may be incorporated into software programs intended for use with Echo speech synthesizers.

Echo Words PC is available on one 1.44 megabyte 3.5" diskette or three 360 kilobyte 5.25" diskettes. Contact manufacturer for further information.

Product Name: Electronic Talk Board

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Electronic Talk Board is a keyboard with 16 large membrane type keys. It is used with a software program for communication. The user presses one of the keys and a particular word or phrase is spoken. The keyboard is a set of 16 switches covered by a flexible plastic sheet. The vocabulary in the program is arranged in a system of levels: each key has a different definition depending upon what level is selected. Each level has a different theme (hygiene, food, etc.). Different picture overlays can be made for each level. The level is selected by pressing a number on the keyboard.

A speech synthesizer is required to operate the Electronic Talk Board. This product was developed through the Telephone Pioneers of America, and is free to anyone interested. The keyboard must be constructed; plans are available.

Product Name: ENCORE!

Vendor: Artic Technologies

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $150.00 - $195.00

ENCORE! is a personal management computer program for use with speech synthesizers. Functions include: Banking (for recording multiple check/saving accounts, IRAs, and investments); QuickNotes (for entering searchable notes); Index Card Decks (a simple index card-type database manager); Month Calendars (for months through 2099); Alarm/Timer (for 16 user-defined timed reminders); Date Reminders (for 64 pop-up date reminder messages); Video Capture to Disk; and a Small Text Editor. ENCORE! can run either as a DOS command or as a memory resident program, and may be used either with or without speech synthesis.

ENCORE! is $150.00 when used with an Artic synthesizer, or $195.00 for a version that may be used with most IBM synthesizers and screen access systems.

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Product Name: Eye Relief

Vendor: SkiSoft Publishing Corporation

Computer: IBM PC Family

Manual Form: Large Print Manual

Cost: $295.00

Eye Relief is a stand-alone word processing software program designed to be used by people with low vision. The word processing features can produce screen fonts at magnification levels from one to five times standard size, producing letters up to 1.4" in height. Word processing features include Insert, Delete, Cut, Paste, Copy, Find, and Replace. The software produces standard ASCII text files which can be loaded into other word processing packages. The program can be used to print documents with headers, footers, and page numbers in standard type on any printer, or in 18 point type on Laserjet or Postscript laser printers. Text is always shown on screen with word wrap, regardless of type size; no horizontal scrolling is required. The user can specify any number of pixels between adjacent letters and can control vertical spacing between lines.

Eye Relief cannot be used to provide magnification for other software packages. The program runs on IBM computers with 512K of RAM and a CGA, EGA, VGA, MCGA, or Hercules graphics card.

Product Name: File-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $195.00

File-Talk is a voice output database management program which allows creation of files, searches, sorts, and other database functions instantaneously. Records can contain 250 fields, with 3K of information, and can be sorted any time. Other features include on-screen arithmetic computations, auto modem dialing, date and time fields display, and printing of mailing labels, custom letters, and lists.

A speech synthesizer is required for voice output, and the program is compatible with most printers; contact manufacturer for details.

Product Name: Finish Line

Vendor: Innovative Designs, Inc.

Computer: IBM-PC XT, IBM PC AT, IBM PC Family, IBM PS/2 Family

Manual Form:

Cost: $49.00 - $59.00

Finish Line is a software program which can predict words for the user during text entry. Once the program learns the user's frequently typed words and phrases, then word and phrase choices will appear in pop-up windows as the user enters text. To select a word from the list, the user presses the "hot-key" which corresponds to the chosen word, the word or phrase is then automatically inserted into text. The "hot-keys" are designated by the user and the symbols of these keys appear in the pop-up windows next to corresponding choices.

Finish Line is compatible with IBM computers. A variety of input devices can be used. Output devices such as computer compatible speech synthesizers and TDDs can also be used. The DOS version is $49.00 and a Microsoft Windows compatible version is $59.00.

Product Name: Form-Mate

Vendor: Henter-Joyce, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual, Electronic Manual, Printed Manual

Cost: $295.00

Form-Mate is a program that can be used to fill out preprinted forms on a computer. The program is prompt driven, one prompt or question per line, and the questions can be asked in any order, independent of the blanks on the form. Lotus 1-2-3-style menus are used. Selections are read and invoked by using the cursor pad keys or pressing the first letter of the desired choice. Form-Mate uses one information file to fill in all different related forms, keeping information about a single person or event in one place. Other features include data-type error checking on input, microspacing capability, independent print enhancement (underline, bold face, etc.), and continual availability of file names and descriptions, prompt and prompt help line, and current cell or field name.

Form-Mate works with most speech synthesizers and screen reading programs. Contact manufacturer for information on creation of custom forms.

Product Name: FreeBoard
Vendor: Pointer Systems, Inc.
Computer: IBM PC Family
Manual Form: Printed Manual
Cost: $695.00

FreeBoard is a software program that presents an image of the keyboard on the computer screen, over top of the display of an active program (most word processors, telecommunications programs, etc.). To type, the user moves a cursor onto the desired key on the on-screen keyboard and activates the key, either by holding the cursor on the key for a given length of time (time may be adjusted by the user) or by activating a single switch (in scanning mode). Possible input devices include mouse, trackball, joystick, or the FreeWheel optical head pointer (see entry). Automatic punctuation, abbreviation/expansion, and word prediction features are included. Dictionaries of 700 and 3,000 common words are supplied, along with an assortment of keyboard images; both may be customized by the user. The image may be placed anywhere on the screen, and NEXT and BACK keys provide rapid switching between several active keyboard images. On-line help is included.

FreeBoard may be used with the X-10 Powerhouse (see entry) to provide access to an environmental control system.

Product Name: Freedom Writer
Vendor: World Communications
Computer: IBM PC Family
Manual Form: Printed Manual
Cost: $295.00

Freedom Writer is a word processing program that can be operated with input devices other than the standard keyboard. Five versions are available: a mouse version, a cursor keys version, a scanning version, a joystick version, and a light pen version. All five versions present an image of a keyboard on part of the computer screen. The mouse and cursor key versions present a pointer on the screen. The user moves the pointer to the desired "key" on the screen and pushes the mouse button or a key on the cursor keypad in order to activate that "key." In the light pen version, the user directs a light pen at the desired "key" on the screen in order to activate it. Whatever the user "types" on the screen keyboard appears on the rest of the screen as text. The user can edit, delete and move text, and check spelling against either of two dictionaries: one provided and one that the user creates containing custom vocabulary. Text can be printed on a compatible printer.

The price listed is for a single version of Freedom Writer, not including the input device.

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Product Name: Futura-TDD

Vendor: Futura Wave Communications

Computer: IBM PC Family

Manual Form:

Cost: $49.95

The Futura-TDD is software designed for use with external TDD/ASCII translation modems. By using this software and a TDD modem (extra), an individual using an IBM computer can receive and send TDD calls. The Futura-TDD software features include: autodial and redial, 500 phone/name directory, on-line help, andanswering machine functions. The program will also save and print conversations.

An IBM PC or compatible with 256K of RAM memory is required. The Ultratec Intele-Modem, Phone-TTY CM-4, or Krown SM-85 TDD modem is also required to interface the computer with TDDs. Futura-TDD software is compatible with Microsoft Windows 3.0. A demo version is available for $5.00.

Product Name: Help U Type and Speak

Vendor: World Communications

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $595.00

Help U Type and Speak is a version of Help U Type (see entry) which also incorporates the ability to have complete sentences spoken via a text to speech converter. These sentences can be stored, or the user can form ad hoc sentences using words from the dictionary.

Product Name: Hot Dots Version 3.01

Vendor: Raised Dot Computing

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual, Electronic Manual, Printed Manual

Cost: $350.00

Hot Dots is a menu-driven program for the IBM-PC that allows the user to translate the native files of over thirty word processing programs into grade 2, grade 1, and no translation Braille. A file importation feature permits Hot Dots to read the native files of over 30 different word processors and translate the existing formatting codes appropriately. The program may be run from a menu, from batch files, or from the command line. Additional features include a Braille-to-inkprint translator and a file-driven global search and replace capability.

Hot Dots requires 256K of memory and two floppy drives or one hard drive and one floppy drive. Contact the manufacturer for information about the compatibility of Hot Dots with particular printers or speech synthesizers. A demo disk is available free of charge.

Product Name: IBM-VBII

Vendor: Cornucopia Software, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $249.95

IBM-VBII software permits transfer of information between IBM PC compatible computers and VersaBraille II. After the IBM-VBII software is loaded onto a PC, VersaBraille files on disk can be loaded onto the PC and converted into MS DOS text files. IBM-VBII can also be used to convert MS DOS files into VersaBraille files; these files can then be copied onto a disk and loaded into VersaBraille II.

Product Name: inFocus

Vendor: AI Squared

Computer: IBM PC Family, IBM PS/2 Family

Manual Form:

Cost: $149.00

inFocus is a RAM-resident screen magnification program. The program features three levels of magnification and can be used to enlarge the entire screen, a selected set of lines, or a single line. inFocus works with both text and graphics application programs, and can track on the cursor, mouse, or menu bar. The program uses pop-up menus and hot keys to enable commands to be executed. A variety of scrolling and panning modes permit the entire screen to be reviewed automatically.

inFocus runs on the IBM PC and PS/2 family of computers. A VGA graphics card is required.

Product Name: IntelliTalk

Vendor: IntelliTools, Inc. (formerly Unicorn Engineering)

Computer: Apple II Family, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $39.95

IntelliTalk is a software program for writing and communication with voice output. The program will speak text as it is typed, review a piece of text in voice, change type size (and font, on the Macintosh version), save text and print text. The Macintosh version has both Picture and Word menus for program operation. The Macintosh version uses built-in software speech synthesis. The Apple II version requires an Echo speech synthesizer (extra).

Product Name: KeyMouse

Vendor: Halleck, John

Computer: Apple Macintosh Family

Manual Form: Electronic Manual

Cost: Free

KeyMouse (also known as Mouse Driven Keyboard) is a computer program that provides an on-screen keyboard for use any nonstandard mouse input device. KeyMouse is stored as a desk accessory and will run with any program that supports the use of desk accessories (except MultiFinder or System 7). The user types a character by using the mouse input device to move the cursor over the desired character and activating the switch. The Caps Lock, Shift, Option, and Command keys are programmed to stay on or latch when selected. The KeyMouse can emulate all functions of the standard keyboard except key repeat. The keyboard can be moved around on the screen.

The KeyMouse program is available in the public domain and may be copied for personal use without charge. Incorporation of this program into a commercial product or charging for it requires permission from the manufacturer. The program may be obtained free on electronic mail or gotten from the manufacturer by sending a diskette and a self-addressed, stamped envelope.

Product Name: Keysoft

Vendor: HumanWare, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Manual Form:

Cost: $595.00

Keysoft is a voice output software package for information handling. The package is designed specifically for blind users, and does not require knowledge of DOS or screenreaders to operate. Keysoft consists of Keyword, Keyspell and Keyplus. Keyword is a full-function word processor with screen reading functions built-in. Keyspell is a spell checking program for Keyword documents. Keyplus is a calculator that can be used in simple four-function mode or with complete scientific functions.

A speech synthesizer is required to use Keysoft.

Product Name: Keyterm

Vendor: HumanWare, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Manual Form:

Cost: $295.00

Keyterm is a telecommunications program with voice output. Keyterm is designed for blind users. Voice output is integrated into the software, so no screen reading software is required. No knowledge of DOS is required. Keyterm provides modem control and other features to allow users to access on-line services such as computer bulletin board systems, terminal connections to mainframes, and electronic mail networks.

A speech synthesizer is required to use Keyterm.

Product Name: Large Print Word Processors

Vendor: National Institute for Rehabilitation Engineering

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $39.95 - $299.95

Large Print Word Processors function like ordinary word processors, except that as keys are pressed the characters that appear on the screen are larger.

Four programs are available. Magnifying Children's Word Processor ($39.95), with limited features, allows screen magnification either 2X or 4X. LV Publisher ($139.95; requires 512K of memory) can magnify letters up to 36 points; the letters will print out at the magnification level set. The program can also enlarge graphics such as boxes and circles. ER Large Display Word Processor ($299.95) and BE Large Display Word Processor ($99.95) provide up to 5X magnification. The size of the printed characters need not be the size of the onscreen characters. The Large Display Word Processor programs can import and export ASCII files for use with other word processors. All programs require CGA, EGA, or VGA graphics cards. A Spelling Checker is available for the ER Large Display Word Processor for $89.95; spell checking is included in the BE Large Display Word Processor.

Product Name: Leo's 'Lectric Paintbrush

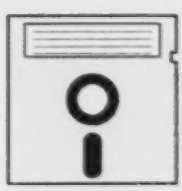
Vendor: Dunamis, Inc.

Computer: Atari 400, Atari 800, Commodore 64

Manual Form: Printed Manual

Cost: $29.95

Leo's 'Lectric Paintbrush is a graphics program that uses the PowerPad (see entry). The program allows user to create multi-colored electronic finger painting which can be modified. Drawings can be stored to disk for later retrieval and display. Versions of this program are available for the Commodore 64, the Atari 400, and the Atari 800.



Product Name: Low Vision Editor (LVE) and LVE23

Vendor: Ady, Donald

Computer: TRS-80 Model I, TRS-80 Model III, TRS-80 Model IV

Manual Form: Electronic Manual

Cost: $20.00 each

Low Vision Editor (LVE) is a word processing program that provides large-print characters on the computer screen. Four program versions each provide a different level of magnification: five lines of 16 letters each, five lines of 12 letters each, four lines of 12 letters each, and three lines of nine letters each. The cursor remains stationary as the the user types. Text may be browsed by letter, word, line, or full screen. Additional features include a Find command, which may be used in conjunction with the Delete command to delete blocks of text. Printer and disk files are supported.

LVE has much of its documentation on the program disk, including "Help" files. The program comes with a sheet of start-up instructions, cue cards, and tutorial exercises in regular size print. LVE23 is the same as LVE except that it uses a nongraphic font that is included on the TRS-80 video chip to produce 16 lines with 32 letters each. Each program is $20.00; the two programs purchased together are $25.00.

Product Name: Mac-Apple Communications Aid

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $50.00

The Mac-Apple Communication Aid is a communication and writing program that may be controlled by switches or an expanded, mini, or standard keyboard. The user may perform simple text editing and calculation functions with Mac-Apple, and compile stored words, phrases and sentences and select them later. Mac-Apple automatically places two spaces at the end of a sentence, and capitalizes the next word entered. Also included in Mac-Apple are several programs that may be used to train users in switch input, and word and number recognition.

This program runs on the Apple II computer, but does not function with the Macintosh computer, despite the name.

Product Name: MAGic and MAGic Deluxe

Vendor: Microsystems Software Inc.

Computer: IBM PC Family

Manual Form: Audiotape Manual,
Large Print Manual

Cost: $79.00 - $295.00

MAGic is a memory-resident software program that provides screen magnification for most graphics and text based application programs running under DOS or Microsoft Windows (word processors, spreadsheets, etc.). MAGic enlarges the screen 2 times. Available modes include follow-the-cursor, follow-the-mouse, and follow-attribute-changes. MAGic Deluxe will magnify off-the-shelf text-based applications between 1.2X and 12X. Additional MAGic Deluxe features include 10 "bookmarks," screen location display, and a "smooth font."

MAGic requires 15KB of memory; MAGic Deluxe requires 15KB. An IBM PC with VGA, XGA, or SVGA display is required. A font editor is available for $99.00.

Product Name: MathematiX

Vendor: Raised Dot Computing

Computer: Apple II Family

Manual Form: Braille/Tactile Manual, Printed Manual

Cost: $225.00

MathematiX is a software program that works with BEX (see entry) to enable printing or verbalizing of Nemeth Code mathematical braille data. If a speech synthesizer is used, literary text is spoken as words and mathematical material is spelled out sign for sign. MathematiX can also be used to prepare regular-print documents that include text and fractions, square roots, chemical symbols, and other technical material.

MathematiX does not translate text into Nemeth Code; a basic knowledge of Nemeth Code is necessary. Tutorial and reference materials for learning Nemeth Code and examples of coded equations are included with MathematiX.

Product Name: Me Too!

Vendor: William K. Bradford Publishing Company, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form:

Cost: $99.50

Me Too! is a software program that permits students to run standard story writing programs using an alternative keyboard, switches, touch screen, or other adaptive peripherals. Menus permit the user to set a configuration according to the device they are using. The configuration is then sent to the Adaptive Firmware Card (extra).

Two expanded keyboard overlays are included. An enhanced 128K Apple IIe or an Apple IIGS are required to run the program. A variety of story writing programs that will work with Me Too! are available from the manufacturer. The story programs on based on such subjects as science, folktales, and everyday skills; titles include: Just Around the Block, Rosie the Counting Rabbit, A Brand New View, Dinosaurs, Whales, Stone Soup, and the Princess and the Pea.

Product Name: MegaDots
Vendor: Raised Dot Computing
Computer: IBM PC Family
Manual Form:
Cost: $500.00

MegaDots is a word processing, braille translation, and large print program for the IBM computer that allows the user to produce ink or braille output from the same document. The program is a style-based word processor (the user assigns a style to a block of text and MegaDots handles all formatting commands). The program comes with predefined styles for items such as headings, items in a list, tables of contents and indexes. MegaDots can import files from several other programs (including Macintosh applications) and automatically applies styles, which can be changed, based on formatting commands used by the original program. Braille output can also be viewed on the screen as a dot pattern and documentation included with the program gives an overview of rules for producing proper braille documents.

MegaDots runs on IBM and compatible computers and supports most ink and braille printers. Contact Raised Dot Computing for more details.

Product Name: MicroIllustrator
Vendor: Dunamis, Inc.
Computer: Apple II Family, Atari 400, Atari 800
Manual Form: Printed Manual
Cost: $69.95

MicroIllustrator is a graphics program that operates by simple touch commands. Users can create, revise, adapt, and combine pictures, designs, diagrams, colors, and textures. Designs can also be mixed, expanded or reduced. All drawings can be stored to disk and retrieved for later display or modification.

MicroIllustrator requires use of PowerPad (see entry); contact Dunamis for details.

Product Name: MindReader

Vendor: Brown Bag Software

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $89.95

MindReader is a word processing program that uses predictive formulas to speed up typing. When the user types the initial letters of a word, the program presents a box on the screen containing the most likely completions of the word. The user can select one of the choices in the box with a single keystroke, or go on typing the word if the desired one does not appear. Other word processing features included with the program are: searching for text, inserting and deleting text, automatic capitalization and spacing between sentences, a grammar assistance feature and a spelling checker. A calendar, calculator, telephone directory, and 60-day scheduler are also part of the program.

MindReader's dictionary of possible words is based primarily upon the lexicon of business writing, but it is possible to tailor the dictionary to one's own vocabulary. The program also monitors the words the user most commonly writes and gives these priority in the predictive routine.

Product Name: Minspeak Application Programs (MAP)

Vendor: Prentke Romich Company

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Manual Form:

Cost: $330.00 - $370.00

Minspeak Application Programs (MAPs) are pre-stored vocabularies for specific client groups. MAPs are provided on computer disk, and are loaded from a computer into one of Prentke Romich Company's communication aids: the Liberator, Touch Talker or Light Talker. Written by experts in the field, MAPs satisfy overall needs of a target population, and are also customizable to meet an individual's specific needs.

There are currently seven different MAPs available for the Liberator, Touch Talker or Light Talker. Two programs are also available for the IntroTalker (available in Touch Talker and Light Talker versions only). A Memory Transfer Interface cable (extra) is required to transfer MAPs from the computer to the communication aid. For Light Talker and Touch Talker, MAPs can also be purchased in the form of quick-load chips, for an additional $25.00 per set. Contact manufacturer for further information on the vocabulary content, cognitive levels and skills needed for each of the vocabulary programs.

Product Name: Multi-Line Dial-A-News System

Vendor: Phone TTY, Inc.

Computer: IBM PC AT

Manual Form:

Cost: $750.00

The Multi-Line Dial-A-News System is bulletin board software for TDD users. The software can be used to provide information to TDD callers such as schedules and services provided lists. The Multi-Line System can hold up to 500 individual files. When a call is placed to the system the caller is given initial instructions, via the caller's TDD, explaining how to access available information. The caller is first given the current weather forecast and from that point can access other files either through typing a specific file name or by accessing a list. Command prompts and instructions can be accessed at any time.

The Multi-Line System is IBM compatible. The software requires a multi-line serial card, Phone TTY CM-4 modem, and Phone TTY TDDDM software.

Product Name: NAMES

Vendor: Kansys, Inc.

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $95.00

NAMES is a program that can be used to store and print names, addresses, phone number, and "Tags" of identifying information. NAMES will display information to either a computer screen or a 8.5" x 11" sheet of labels. Each record is defined by a unique, variable length "Key" which is used for sorting data. The name, address, city, state, zip, home phone, work phone, and Tag fields are of fixed length. The user can load and save multiple lists, mark and unmark entries, and retrieve entries using Tags or Keys. Lists will accomodate 1,000+ entries.

NAMES can be used on most PC-compatible computers, and will work with most screen review programs and speech synthesizers.

Product Name: OmniWriter

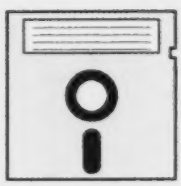
Vendor: Medical Equipment Distributors, Inc. (MED)

Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $350.00

OmniWriter is a data entry package designed to increase the rate of text entry. Input can be accomplished by using a single switch with scanning, a single switch with an arrow indicator, a dual switch, or a Personics Head Master sip-and-puff mouse emulator headset. After two letters are entered using any of these methods, a list of all the words stored in the OmniWriter dictionary that begin with these two letters will appear. The user can then select the appropriate word, or continue to type if the desired word is not in the dictionary. Words can be added to or deleted from the dictionary. A command can be issued to have the Macintosh speak all text that has been entered into the active file.



Product Name: One-Switch Paintbrush

Vendor: Adaptive Computers

Computer: Apple II Family

Manual Form:

Cost: $73.00

One-Switch Paintbrush is a drawing program for single-switch users. An arrow cursor appears on the screen and begins rotating (north, northwest, west, etc.). When the user presses a switch (extra), the arrow stops rotating and moves in the direction it is pointing towards, leaving a colored trail (on color monitors) or shaded trail (on black and white monitors). The color or shade may be changed by the user. Speed and response time are adjustable. The program may used with either pressure or contact switches.

Product Name: OneKey

Vendor: Pointer Systems, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $295.00

OneKey is a software program which has several functions to speed text entry. Phrase prediction gives the user several options for finishing words in a phrase after the first letters of the words have been typed. To select a choice the user presses the corresponding function key and the phrase is inserted into text; a phrase can be any string of words or one or more sentences. A word prediction function can also be used; the user types the first letters of the word and can choose by number from the resulting list. An abbreviation expansion function allows the user to determine abbreviations which when typed will result in an entire phrase being inserted into text in place of the abbreviation. The program also has an automatic ending feature which can attach endings onto typed words. Shiftkey latching controls all of the shift keys including left and right shifts, ALT, CRTL, Scroll Lock, Num Lock, and Caps Lock; the user can press one key at a time rather than many simultaneously. A SetUp program allows the functions to be adjusted for the user.

Product Name: PC Braille

Vendor: ARTS Computer Products, Inc.

Computer: IBM PC Family, IBM PS/2 Family, IBM RT PC, Unix

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $395.00

PC Braille software translates text files into Grade I, Grade II, or Computer Braille (Grade 0) Braille format. These translated files can be printed on a Braille printer or sent to a refreshable Braille display using standard DOS commands. The provided contraction table, exception table, and Braille translation table may be customized by the user. PC Braille works with both text editors and word processors, and can format text for printing or brailling.

The DOS version of PC Braille requires one disk drive and 256K of memory as minimum requirements, and is available for $395.00. Versions are also available for Unix System 5, Unix Berkeley 4.2, and IBM RT PC; contact manufacturer for price. A demo disk is available free.

Product Name: PC Sift

Vendor: ARTS Computer Products, Inc.

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $99.00

PC Sift converts print files to text files that can be used with PC Braille (see entry). The program removes extraneous codes, such as multiple blank lines, and converts formatting codes to their PC Braille equivalents.

Product Name: PC-Voice

Vendor: Compeer, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $495.00

PC-Voice is a package of software and hardware which enables a computer to produce speech output. Predefined words, phrases, messages, and letters can be selected by the user, using a keyboard, mouse, trackball, or switch (scanning or Morse code; optional). Once a selection is made, the appropriate words will be "spoken" by a speech synthesizer. Phrase and word lists can be modified by the user. PC-Voice has "scratchpad" and word prediction functions; it can also be used a text reader to speak any document which is in the computer. Speech output can be controlled in volume, tone, and pitch. The program also features an on-screen keyboard for typing keyboard characters with a pointing device such as a mouse.

The package includes: Covox speech synthesizer, interface cables, external amplifier/speaker, battery, PC-Voice Software, a user's guide, and backup disks. PC-Voice is compatible with IBM computers. The switch scanning and Morse code option is available for $195.00.

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Product Name: Peachy Writer Bold
Vendor: Cross Educational Software
Computer: Apple II Family
Manual Form: Printed Manual
Cost: $24.95

Peachy Writer Bold is a line-oriented text editor designed specifically for visually impaired users. Letters on screen are large and double-sized, and 20 letters fit on a single line. The lines are numbered, and the screen can display up to 12 lines at once. Input to the program is through the computer keyboard. Full editing functions are provided for the Peachy Writer Bold program.

Product Name: PhoneCommunicator
Vendor: IBM Corporation
Computer: IBM PC Family, IBM PS/2 Models 25/30
Manual Form:
Cost: $600.00

PhoneCommunicator is a system that permits IBM PC and PS/2 Models 25, 30, and 30-286 computers to be used as telecommunication devices for the deaf (TTDs). The system permits communication with hearing persons who use touch-tone telephones; no equipment other than the telephone is required by the hearing person. Communication with both Baudot and ASCII TDDs is also permitted. Features include: Auto Answer mode for recording messages, printing and saving of any conversation, a programmable modem to permit communication with computer bulletin boards, the ability to save and generate commonly-used messages for later recall, and automatic dialing of preprogrammed numbers. Other programs may be used while the PhoneCommunicator is active.

The PhoneCommunicator consists of the basic PhoneCommunicator software on both one 3.5" disk and two 5.25" disks, a user's guide, ten Telephone User Reference Cards, a hardware adapter and cables for connecting the adapter to the telephone line, and diagnostic software. A computer with 512K of memory and two disk drives is required; 640K of memory and a hard disk drive is recommended.

Product Name: PhraseIT

Vendor: Adaptive Innovations

Computer: IBM PC Family, IBM PS/2 Family

Manual Form:

Cost: $4.95

PhraseIT is a word prediction program that helps the user create gramatically correct sentences. The program presents a series of matrices which offer the user the choice of different words and phrases. The dictionary of word choices is arranged by categories such as "thing", "person", and "action"; by selecting a category the user may browse through word and phrase choices. Words and phrases may be chosen by a variety of input devices including keyboard, trackball, joystick, switches, and scanning. The program's linguistic prediction function links the user to the set of words which could grammatically follow the user's last word choice.

This program works with HandiKEY and HandiCHAT programs and a speech synthesizer (extra) to produce speech output if desired. PhraseIT allows access to other software program and is compatible with any MS-DOS system.

Product Name: Picture Perfect

Vendor: Mind Play

Computer: Apple II Family, IBM PC Family, IBM PC jr

Manual Form: Printed Manual

Cost: $49.99

Picture Perfect is a drawing program designed for children. Drawings can be created by free-form drawing or by selecting any of 100 pre-drawn pictures, which can be added into existing compositions. The menu of options offered the user also includes the ability to select different types of rendering (line, shading, etc.). Input to the program can be via keyboard, joystick, or mouse, but a joystick or mouse is required for drawing.

Product Name: pixCELLS

Vendor: Raised Dot Computing

Computer: Apple II Family

Manual Form: Audiotape Manual, Printed Manual

Cost: $150.00

pixCELLS is a software program that allows a Braille embosser to be used to produce Braille graphics. pixCELLS includes a "Modify Environment" feature that can be used to draw lines, boxes, and borders, erase and reverse portions of the image, shift the image relative to the screen, and type in horizontal and vertical Braille labels. The output is one brailler "dot" for every pixel that appears on the screen. Since each Apple screen is the equivalent of six Braille pages, pixCELLS gives feedback on which part of the screen corresponds to each output page, and permits the user to select which parts should be embossed.

An Apple II computer with at least 128K of memory is required to run pixCELLS. pixCELLS can be used with a Street Electronics speech synthesizer. While Modify Environment does not provide enough audible feedback to draw images, people with blindness can use pixCELLS to independently load and emboss images. The full package includes the program disk with on-line help features, sample files, manual in print and audio tape, ongoing technical support, and shipping. A demo disk, with on-line documentation, is available free of charge.

Product Name: PopComm

Vendor: Pointer Systems, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $395.00

PopComm is a software option which provides pop-up speech, phrase prediction, and abbreviation/expansion features. When in DOS or any application, the user activates and deactivates the speech feature by using a hot-shift or "talk" key. Once activated the speech feature will read any text which appears on-screen via speech synthesizer (extra). The phrase prediction offers the user up to nine choices to complete each word or phrase; these choices appear in a pop-up window. Abbreviation/expansion phrases can be preset by selecting from a menu of phrases, customizing those on the menu, or creating new ones. An on-line help feature is included.

PopComm is IBM compatible and requires a speech synthesizer.

Product Name: Predict It

Vendor: Don Johnston Developmental Equipment

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $148.00

Predict It is a word processor software program with predictive word capabilities. When the user types in the first letter of a word, a list of several words beginning with that letter appear at the bottom of the screen. If the desired word is in the list, the user types in the number corresponding to the correct word or positions the cursor at the correct word and presses the space bar. Access to punctuation and grammatically correct endings (-ing, -ed, -ly, etc.) is also provided. Predict It has standard word processor functions such as cut, copy, paste, move, delete, and save.

Predict It may be used with the Adaptive Firmware Card (extra; see entry).

Product Name: ProBraille

Vendor: MicroTalk Software

Computer: Apple II Family

Manual Form:

Cost: $150.00

ProBRAILLE is a software program that translates text files into grade I, II, or BANA braille for printing on a braille embosser. ProBRAILLE makes a new file that contains an editable translated version of the original file; the original file remains unaffected. Commands enable levels of translation to be changed within a single document. The rules that ProBRAILLE uses to perform translations are included on text files; these files may be modified by the user to change the translation rules.

ProBRAILLE may be used with an Echo speech synthesizer.

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Product Name: ProWORDS
Vendor: MicroTalk Software
Computer: Apple IIc, Apple IIe
Manual Form: Audiotape Manual, Printed Manual
Cost: $195.00

ProWORDS is a talking word processing program for the Apple II's. ProWORDS does automatic formatting of text, or the user can make use of such manual formatting capabilities as changing margins, pagination, paragraph indentation, and multiple line spacing. The program reads screen content aloud when the cursor is moved over text. Text can be spoken by line, word, or letter. Capital letters are spoken in a raised pitch, and carriage returns are signalled by a tone. ProWORDS offers the option of having each keystroke spoken as it is entered.

To run ProWORDS, 128K of RAM is required. An Echo IIc speech synthesizer is required for the Apple IIc, an Echo II or Echo+ for the IIe. ProWORDS is compatible with most printers, and is not copy protected.

Product Name: Quick Textfile Converter (QTC)
Vendor: Raised Dot Computing
Computer: Apple II Family
Manual Form: Electronic Manual
Cost: $15.00

Quick Textfile Converter (QTC) is a program that translates text files from the braille word processing program BEX (see entry) into the ProDOS operating system. QTC performs three functions. The program copies DOS 3.3 text files to ProDOS textfiles, creates a ProDOS text file "image" copy of BEX chapters, and formats ProDOS disks. Choices are made from a single main menu. An entire disk of files can be converted at once, or the user can convert selected files only. The file names can be converted automatically, or the user can specify new file names. When QTC copies BEX chapters to ProDOS text files, every character in the file is copied verbatim: format commands are not executed.

Documentation for QTC is provided on the disk, in the form of "help" screens designed to apply to that part of the program the user is working on when help is requested. The disk supports voice output with the Echo or Cricket synthesizers. QTC is being made available as "shareware": the user may copy the program from someone else who has it; if satisfied, the user may purchase the program from Raised Dot Computing.

Product Name: Ralph the Reader

Vendor: Kansys, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual

Cost: $10.00

Ralph the Reader is a file "browsing" program for ASCII textfiles, and files created with Word Perfect or WordStar. Control features allow the text to be read a screen at a time, the beginning or end of the file to be located, a backwards or forwards search for any string of characters (including control and extended ASCII characters) to be performed. The top three lines of the screen display information about the file being read, percentage of memory used, prompts, and search strings; this information appears in the same place each time. The other 22 lines of the screen display the text. Additional features include a non-stop reading mode.

Ralph the Reader works with most screen review programs and speech synthesizers. The program is available on 3.5" or 5.25" disks. Ralph the Reader can also be downloaded as shareware from various bulletin board systems; contact manufacturer for details.

Product Name: RAPIDTEXT

Vendor: RAPIDTEXT, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $3,995.00

RAPIDTEXT is a software program that interprets information from a steno machine and translates it into text. In a lecture situation, such as a classroom, a stenographer would input what is being said into the steno machine. The information is then translated into English and sent to a computer screen on the desk of a deaf person. If the deaf person wishes to communicate, he may signal the stenographer and then begin typing from the computer keyboard; his message would be received and read by the stenographer. Names of individual speakers may be pre-programmed and recalled by the stenographer.

RAPIDTEXT requires use of a desktop or laptop IBM computer with at least 640K of memory and a 20 MB hard drive, WordPerfect word processing software (version 5.0 or higher), and a steno machine.

Product Name: RotoTyper

Vendor: Cape Software

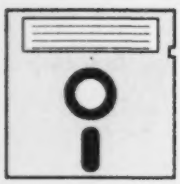
Computer: Apple Macintosh Family

Manual Form:

Cost: $59.00

RotoTyper is a single-switch text processing program. The program allows a specialized single-switch input device or a mouse to control word processing functions instead of a standard keyboard. A main control screen allows the program settings to be customized for the user. Individual letters can be selected from the on-screen keyboard layout to compose words. Entire words and phrases can also be recalled by using a "phraselist" feature.

RotoTyper includes a "wordlist" feature; this function is accessed by a few "clicks" and is a constantly updated list of the eighty words most often used by the typist. Additionally, text can be "spoken" by the computer using a "speak" function. All text can be transfered to a standard word processor for advanced formatting.



Product Name: SIDD (Software Interface for the Deaf and Disabled)

Vendor: Comm-Tel

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $894.00 and up

SIDD (Software Interface for the Deaf and Disabled) is an automated messaging system that can communicate with Telecommunication Devices for the Deaf (TDDs). The SIDD is based on a personal computer, and consists of software plus an interface that allows the computer to connect with TDDs in either standard TTD Baudot code or computer ASCII code. When the SIDD responds to a TDD call, it welcomes the caller to the system, gives the caller a chance to view listings of information, and then provides the opportunity to leave a TDD message. The host of the SIDD can then respond to the message, using the SIDD as a TDD. The outgoing messages can be customized by the host.

The SIDD can be purchased as an add-on to an existing IBM PC or compatible computer. The SIDD can also be purchased as a complete system with computer. Several support and maintenance packages are available.

Product Name: SPEX
Vendor: Raised Dot Computing
Computer: Apple II Family
Manual Form: Electronic Manual
Cost: $35.00

SPEX is a software program that works in conjunction with BEX 3.0 or 3.1 (see entry) to provide screen review capability with serial voice synthesizers. SPEX manages the flow of characters from the Apple to improve the voicing characteristics; for example, when the user presses a left or right arrow key, SPEX announces the character the cursor has landed on. SPEX permits screen review via a series of commands. A manual is included on the SPEX disk.

Product Name: Talking Sensible Speller
Vendor: Quality Computers
Computer: Apple IIGS, Apple IIc, Apple IIe
Manual Form: Audiotape Manual, Printed Manual
Cost: $109.00

Talking Sensible Speller is a software program which enables visually impaired persons to hear text spelled, and features an 80,000 word dictionary from Random House. Options include: a tally of words in the document, a listing of all words, a listing of unique words and a listing of mispelled words (these may be sent to a printer). Misspelled words may be replaced in text individually or globally, and the program adds new words to the dictionary at the end of the run. TexTalker software (included) permits customization of speech output and provides a "Screen Review" option.

Talking Sensible Speller works with a variety of word processors. Owners of other versions of Talking Sensible Speller or non-speaking versions of Sensible Speller may receive a discount for trading in their disks; contact Sensible Software for details, and for information on obtaining the manual on audio tape.

Product Name: Talking Symbols

Vendor: Mayer-Johnson Company

Computer: Apple Macintosh Family

Manual Form:

Cost: $299.00

Talking Symbols is a software program for making multi-level communication boards with voice output on a Macintosh computer screen. The user designs the boards and decides what actions will happen when a specific picture is selected. Selecting a picture can result in sound, a change of screen, or a combination of both. Pictures can be selected by clicking, scanning, or using a keyboard.

The display on a board can range up to 200 screens. The Talking Symbols program can be used in conjunction with the Boardmaker program (see entry). Voice output is provided through the utility MacinTalk. Contact manufacturer for information about compatibility of this utility.

Product Name: Talking Writer & Four Games

Vendor: Cross Educational Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $24.95

Talking Writer is a voice output word processing program. Letters or whole words may be spoken as they appear on the screen. Punctuation and backspaces are also spoken. Text may be printed out in characters double the normal size. Text can be entered, inserted, deleted, and edited. Also included on the disk are four games: Typing, Music, Space-Invaders, and Dragon Maze.

The Echo + is required to run Talking Writer.

Product Name: Telepathic

Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Manual Form:

Cost: $295.00

Telepathic is a software program with predictive word capabilities. When the user enters the initial letters of a word the program provides a list of seven likely word choices. The list appears at the bottom of the computer screen and does not interrupt the user. The word list may be used simply as a way of checking correct spelling or words may be chosen from the list and inserted into text. A word may be selected by selecting it numerically from the keypad or clicking on it with the mouse. The program has a standard built-in dictionary which can be modified; additional dictionaries can be created. Telepathic also has an auto-punctuation feature which can insert spacing and capitalization after punctuation.

Telepathic is compatible with Macintosh series computers. The program runs in the background under Multi-Finder or System 7.0.

Product Name: Term-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $195.00

Term-Talk is a ProDOS talking terminal program for Apple computers. Term-Talk can be used to communicate with other computers, electronic bulletin boards, on-line databases, and mainframe computers with VT-100 terminal emulation. The program supports XMODEM, YMODEM, KERMIT, and ASCII file transfers. A dialing directory with automatic log-on macros, a built-in on-line editor, and auto answer and auto dial are also included. ProDOS and help utilities are built in.

A speech synthesizer must be purchased separately. Contact manufacturer for information on compatible synthesizers.

Product Name: Touch & Speak

Vendor: Psychological Corporation

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $115.00

Touch & Speak is a communication program designed for keyboard, expanded keyboard, or membrane keyboard users. Pressing a key or a desired location on the keyboard immediately speaks a stored word or phrase. Up to 128 words or phrases may be stored on each of five levels. Touch & Speak may also be used with any symbol system that the user may require.

Input is made to Touch & Speak via the Apple keyboard or an expanded keyboard. Output may be spoken through a DECTalk, Votrax, or Echo speech synthesizer.

Product Name: TranscriBEX

Vendor: Raised Dot Computing

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Braille/Tactile Manual, Large Print Manual

Cost: $100.00

TranscriBEX is an add-on module for BEX (see entry) for enhancing the word processing, braille translation, and braille formatting capabilities of BEX. Braille formats include: automatic braille page numbering; textbook format prose with print page indicators; literary format prose; running heads; poems and plays (with optional line numbers); foreign languages represented in grade I braille; and tables and other material in columns.

TranscriBEX methods conform to the rules of "English Braille - American Edition" and "Code of Braille Textbook Formats and Techniques."

Product Name: TRAX PAX Talking Checkbook

Vendor: Traxler Enterprises

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $95.00

TRAX PAX Checkbook is designed as a talking means of maintaining checking or charge accounts including three functions: storage and retrieval of account information, check printing, and addressing the envelopes. There are two ways provided to search through account entries, the Search/Edit function or the Search/List function. Codes can be used to indicate all items of a certain type. There is a "macro" option that allows the user to save keystrokes by entering an abbreviation of up to five characters. How well the check printing and envelope addressing functions work depends on the type of printer. Contact the manufacturer for details.

TRAX PAX Checkbook runs on the Apple IIe with an extended 80 column card using an Echo II or Echo +, or the Apple IIc using the Echo IIc. Because it is screen oriented, it can also be used by sighted persons, with or without the speech synthesizer.

Product Name: TRAX PAX Talking File Box

Vendor: Traxler Enterprises

Computer: Apple II Family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Printed Manual

Cost: $25.00

TRAX PAX Talking File Box is a filing type program with synthesized speech output. The user creates files, and each record in a file will contain up to six lines of information. The most common use for the program would be to store name and address files. The user can scan through files for an item, make printouts (page or label), address envelopes (including return address or not), and print many identical labels. Utilities included on the disk are: Type to Printer, Copy Disks, and Initialize Data Disks. The program is menu-driven. The title of each menu is announced and the computer then beeps and waits for the user to make a choice. Pressing the spacebar will allow the user to hear the whole menu read.

TRAX PAX File Box runs on the Apple IIe with extended 80 column card and Echo II or Echo + speech synthesizer, or the Apple IIc using the Echo IIc. Because it is screen oriented, it can be used by sighted persons also, without the speech synthesizer.

Product Name: TurboBraille

Vendor: Kansys, Inc.

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $295.00

TurboBraille is a Braille translation program that produces Grade I, Grade II, Grade III, or computer Braille from text files. The program handles formatted ASCII files, files created with WordPerfect or WordStar, or files produced in Braille Intermediate Format (BIF). BIF files, which allow for more precise formatting, can be produced by the program from text files in any of the other three formats; however, knowledge about Braille is required to use BIF files. The program features external rule tables for Braille translation and supports a variety of Braille printers. The program also supports inclusion of graphic files in Braille documents.

Product Name: Type & Speak

Vendor: Personal Computer Resources (PCR)

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $75.00

Type & Speak is a voice output program for the Apple II. The user may choose to have each letter spoken as it is typed, or have an entire message spoken at once. Text may be modified before or after it is spoken, or it may be spoken repeatedly. Type & Speak holds only one message in memory at a time, and does not store text for future retrieval.

Input is made to Type & Speak via the Apple keyboard or a single switch scanning array. Ouptut may be sent to a DECTalk, Votrax, or Echo speech synthesizer or to a printer.

Product Name: Ultimate Banker

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $40.00

Ultimate Banker is a voice output finance management program for a 128K Apple IIe or IIc with ProDOS capabilities. The system can facilitate banking transactions or provide checkwriting formats, with different menus to suit skill levels. Input to the program is provided through the computer keyboard.

The system requires an Echo speech synthesizer to operate.

Product Name: Ultimate File Cabinet

Vendor: Access Unlimited-SPEECH Enterprises

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $40.00

Ultimate File Cabinet is a talking database management program with multiple search capabilities, for a 128K Apple IIe or IIc. The system provides different menus for different skill levels. Input to the program is provided through the computer keyboard.

Ultimate File Cabinet uses Apple ProDOS and requires use of an Echo speech synthesizer.

Product Name: VCS 3500 with TDD Software

Vendor: Microlog Corporation

Computer: IBM PC Family

Manual Form:

Cost: $15,000 - $100,000

The Voice Connect System (VCS) 3500 is a software-based telephone communications system which has voice mail, automated transaction processing, and automated attendant capabilities. The TDD Software module which is available for this system allows persons with telecommunications devices for the deaf to utilize all the functions of a VCS 3500 system. When a TDD user places a call to a number which uses VCS 3500, the person is given a menu of options from an automated attendant which can transfer or forward calls and take messages. From this menu, the user can access any of the system's functions including accessing public information services, such as job lines or transportation schedules, which use an automated audiotex message format. The automated transaction processing function interacts with TDD callers who are requesting forms, publications, or specific documents to be sent to them; information from callers can be transcribed without disrupting the system.

For more information about the configuration of the VCS 3500 contact the manufacturer. Price of the system depends on particular configuration but the base system cost is $15,000.

Product Name: VERBal STAR

Vendor: Computer Conversations, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Electronic Manual, Printed Manual

Cost: $99.95

VERBal STAR is a full-featured word processing program with synthesized speech output of screen information. Text can be spoken letter by letter as it is entered. Text which has been entered can be read back by line or by section, for content or for detailed proofreading with spelling, punctuation, and capitalization turned on. When a command key is pressed, the program tells the user what is happening.

VERBal STAR can be used with most voice synthesizers.

Product Name: VersaBraille Electric Webster
Vendor: Cornucopia Software, Inc.
Computer:
Manual Form: Audiotape Manual
Cost: $299.95 - $399.95

VersaBraille Electric Webster is a spelling checker for VersaBraille II and II+ (see entry). The menu-driven program comes with a 50,000 word built-in dictionary to which the user may add words.

VersaBraille Electric Webster is $299.95 if purchased with VersaBraille II+, or $399.95 if purchased separately.

Product Name: VersaPoint Graphics
Vendor: TeleSensory, Inc.
Computer: IBM PC Family
Manual Form:
Cost: $195.00

VersaPoint Graphics is a resident program that can be used to translate information from IBM PC drawing, graphing, and CAD programs into computer files that may be output on the VersaPoint Braille Embosser (see entry) as embossed bar charts, maps, graphs, and schematics. These graphic files may be merged with braille text or labels.

Product Name: ViewKey

Vendor: VME Technologies, Inc.

Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $89.95

ViewKey is a software package which enables users to access and create messages using single switch input. Frequently used phrases, such as "hello" and "I am hungry," have been preprogrammed into the software. Users modify or create other phrases by selecting the desired characters using an on-screen keyboard. Either scanning or pointing methods may be used to make selections on this visual keyboard.

ViewKey is compatible with a variety of input devices including a trackball, mouse, head switch, or sip/puff switch; input devices are extra. The program can generate synthesized speech on most Macitoshes. An X-10 environmental control module is also an available option. The software runs on Macintosh computers.

Product Name: VisAbility

Vendor: AI Squared

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $495.00

VisAbility is a software program that allows a personal computer to function as an image magnification system for reading. The user scans a piece of printed text, and an image of the text is stored on the computer. The VisAbility software then presents this image on the screen, at its regular size or magnified from two to 32 times. The magnified image can be presented using the full screen, or can just be presented in a window on the screen, with the rest of the regular-size image on the screen as well if desired. The program will also scroll an enlarged image across the screen for reading, at an adjustable speed. A "review" mode allows the document to be scrolled automatically without the need to touch the keyboard. The user can also indicate which areas of the image will scroll. Once printed documents are scanned in, they can be stored on disk and printed in regular or enlarged sizes. The program also allows the user to scan paper forms, fill them out on the screen at an enlarged size, and then print them out in completed form, including signatures.

VisAbility software requires an IBM PC or compatible with VGA, 2 MB of RAM and a Hewlett-Packard compatible scanner. A mouse and Hewlett Packard or Postscript printer are recommended.

Product Name: Watchdog
Vendor: Kansys, Inc.
Computer: IBM PC Family
Manual Form: Electronic Manual
Cost: $10.00

Watchdog is a shareware computer utility program that provides auditory feedback when activity occurs on the computer screen. The program can also monitor ports and give auditory feedback when information is sent from the modem or to the printer.

Product Name: Wish Writer
Vendor: Consultants for Communication Technology
Computer: IBM PC Family
Manual Form:
Cost: $250.00

Wish Writer is a word processing program designed to be accessed by a single switch. The program puts an array of choices on the screen and the user selects by scanning through the choices with the switch. The user can type words one letter at a time or use word prediction lists to reduce the number of necessary keystrokes. Wish Writer integrates with the Handy Speech Communication Aide (see entry). A switch is not included.

Product Name: Word-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $195.00

Word-Talk is a full-featured word processing program that offers synthesized speech output as well as screen display. Keys may be echoed as they are typed, or reviewed as letters, full words, lines, or complete screens. Entire documents may also be read from start to finish. Word-Talk uses the standard 80 column by 24 line display, and offers features such as cut and paste operations, simple insertions, re-formatting, block operations, search-and-replace operations, file merge, and import/export features. Speech may be momentarily silenced or turned off entirely at any time. Rate of speech may be set to any of three levels.

Word-Talk is compatible with most commercially available speech synthesizers as well as a variety of printers.

Product Name: Work-Station Pro

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $50.00

Work-Station Pro is a talking computer program that allows up to 12 ProDOS application programs to be linked together in a single system. When the ESC key is pressed during the running of any application, the Work-Station menu appears; any other application may then be selected without rebooting the computer.

Contact manufacturer for information on compatibility with speech synthesizers.

Product Name: WP Sift

Vendor: ARTS Computer Products, Inc.

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $99.00

WP Sift software scans files created with the Word Perfect word processing program and converts them into text files that are ready for brailling. The program removes codes such as margin settings and line spacings, and converts codes for paragraphs, lists, centered lines, etc. into PC Braille commands.

Two versions are available: one for Word Perfect 4.2 and one for Word Perfect 5.0 and 5.1.

Product Name: Write:OutLoud (J30)

Vendor: Don Johnston Developmental Equipment

Computer: Apple Macintosh Family

Manual Form:

Cost: $125.00

Write:OutLoud is a talking word processor for the Macintosh computer. The program will "speak" words and sentences as the user types them in. Words and sentences may be selected to be read after they are typed and saved. The user can select sentences to be read one after the other, skip sentences, or have the whole document read. Buttons allow the user to advance the cursor sentence by sentence. Write:OutLoud types in color; the user picks the color for the screen background and the text color. Documents can be printed in color as well if the user has a color printer.

Appendix A

Additional Product Information

This appendix includes resource lists of companies who sell products which are relevant to communication, control and computer access, but which are not listed in the ResourceBook. The companies listed can be contacted for product information, catalogs, etc. The information provided is not evaluative, and inclusion on any of the lists does not imply endorsement or recommendation. Titles and page numbers for the lists (A-1 and A-2) appear on the next page. Be sure to check Appendixes B and C for additional information and service resources.

Appendix A: Additional Product Information

A-1: Mounting Systems 771

A-2: Pointing, Typing and Communication Accessories 772

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Mounting Systems

This listing covers companies that manufacture or distribute mounting systems for switches, communication aids, and other devices. These systems may be used to mount devices to wheelchairs, tables, the user's body, or other surfaces. Some systems are designed to be used with a variety of products; others are designed to mount specific products. No recommendations or endorsements are implied by inclusion in this list. Contact each resource for specific, up-to-date information.

AbleNet, Inc.
1081 Tenth Ave. SE
Minneapolis, MN 55414
(612) 379-0956 (800) 322-0956

Produces the Universal Switch Mounting System and Slim Armstrong for mounting switches to a table or wheelchair.

Adaptive Communication Systems, Inc.
1400 Lee Road
Coraopolis, PA 15108
(800) 227-2922

Produces Quick & Easy Wheelchair Mounting System for mounting communication devices and portable computers.

Don Johnston Developmental Equipment, Inc.
P.O. Box 639
1000 N. Rand Road, Bldg. 115
Wauconda, IL 60084
(312) 526-2682

Various switch mounting systems.

Extensions for Independence
555 Saturn Blvd. #B368
San Diego, CA 92032
(619) 423-7709

Universal Telephone Adapter is a gooseneck holder for telephone receivers. May be adjusted for different types of telephones or right- or left-ear use.

Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
(216) 262-1984

Switch mounts, wheelchair mounts for selected Prentke Romich communication aids, and printer mounts for the Diconix printer.

Sentient Systems Technology, Inc.
2100 Wharton St., Suite 630
Pittsburgh, PA 15203
(412) 381-4883

Mounting system for the EyeTyper 300.

Zygo Industries, Inc.
P.O. Box 1008
Portland, OR 97207
(503) 684-6006

Adaptive Fixtures Kit; also mounting systems for Zygo and other products.

Pointing, Typing and Communication Accessories

The following is a list of companies that manufacturer or sell products designed to aid in the process of augmentative communication or computer access. This includes pointing and typing aids plus accessories for communication systems, including laptrays and lapboards for wheelchairs. No recommendations or endorsements are implied by inclusion on this list. Contact each company for more specific and up-to-date information.

ADL Catalog
Heartland, Inc.
P.O. Box 1151
Sterling, IL 61081
(815) 625-3227

Ali-Med, Inc.
Rehab-Ortho Plus
297 High Street
Dedham, MA 02026
(617) 329-2900, (800) 225-2610

Bruce
411 Waverly Oaks
Waltham, MA 02254
(617) 894-6262, (800) 225-8446

Cleo, Inc.
3957 Mayfield Road
Cleveland, OH 44121
(216) 382-9700, (800) 321-0595

Crestwood Company
6625 N. Sidney Place
Milwaukee, WI 53209
(414) 461-9876

Dixson, Inc.
Health Care Products
287 27 Road
Grand Junction, CO 81503
(303) 242-8863

Fred Sammons, Inc.
Box 32
Brookfield, IL 60513
(800) 323-5547

Kviz Enterprises
P.O. Box 1706
Portland, OR 97207
(503) 644-2940

Maddak, Inc.
6 Industrial Ave.
Pequannock, NJ 07440
(201) 628-7600, (800) 443-4926

North Coast Medical, Inc.
187 Stauffer Blvd.
San Jose, CA 95125-1042
(800) 821-9319

J.A. Preston Corporation
60 Page Road
Clifton, NJ 07012
(201) 777-2700

Rifton Equipment for the Handicapped
Community Placing
Route 213
Rifton, NY 12471
(914) 658-3141

Thera/fin
3800 South Union Avenue
Steger, IL 60475
(312) 755-1535

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Appendix B

Information Resources

This appendix includes sources of information about a variety of topics relevant to the application of technology in special education, rehabilitation and augmentative communication. These listings include printed publications, electronic sources such as computer networks, and some organizations that provide primarily information. Most organizations are listed in Appendix C (Service Providers and Organizations). The information provided here is not evaluative and inclusion on any of the lists does not imply endorsement or recommendation. Files and page numbers of the resource lists appear on the next page.

Appendix B: Information Resources

B-1: Adaptive Toys and Toy Modifications 775

B-2: Books and Pamphlets 777

B-3: Information Resources for Blind and Visually Impaired Individuals 780

B-4: Information Resources for Deaf and Hearing Impaired Individuals 783

B-5: Networks, Bulletin Boards and Databases 785

B-6: Newsletters and Journals 787

B-7: Selected Resources on Computers and Learning Disabilities 790

B-8: Software Resources 792

B-9: Videotapes on Augmentative Communication and Computer Access 794

Adaptive Toys and Toy Modifications

This list contains information regarding adapted toys and toy modifications to allow single switch control. Included are books, pamphlets, catalogs and organizations. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Pamphlets

Switching Mechanisms for Special Needs -- A Project Manual
William M. Lynn
1985
National Clearinghouse of Rehabilitation Materials
115 Old USDA Building
Oklahoma State University
Stillwater, OK 74078
405/624-7650

This project manual first explains how switches work by presenting basic electronics principles, and then provides step-by-step instructions for building several types of switches and accessories.

Homemade Battery Powered Toys and Educational Devices for Severely Handicapped Children
1980
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740
301/345-9152

This book describes how to make simple switches and toy adaptations easily and inexpensively. It gives clear illustrations as well as suggested uses and activities.

More Homemade Battery Devices for Severely Handicapped Children with Suggested Activities
1986
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740
301/345-9152

This book is a continuation of the book above. It includes suggested activities for incorporating these devices into the child's program.

Using Computers and Speech Synthesizers to Facilitate Communication Interaction
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740
301/345-9152

Compilation of ideas and strategies for use with young handicapped or severely handicapped children. Main focus is for non-speaking, pre-speaking, and beginning to speak children to develop their communicative interaction skills.

Assistive Technology Sourcebook
Alexandra Enders & Marian Hall (Eds.)
1990
RESNA Press
RESNA
1101 Connecticut Avenue NW, Suite 700
Washington DC 20036
202/857-1199

This Sourcebook provides an exhaustive listing of resources for individuals with disabilities and the professionals working with them. It also contains helpful brief articles explaining major concepts, philosophies, and technical information on all the major areas of assistive technology. 576 pp.

Toy Modification Note: Build-it-Yourself-Battery-Insert
G.C. Vanderheiden
1982 (1986, revised)
Trace Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966

Describes construction and operation of battery inserts to allow control of battery operated devices by people with disabilities without requiring modification of the toys themselves. Full diagrams and operating instructions included.

Catalogs

"Special Populations Catalog"
Flaghouse, Inc.
150 N. MacQuesten Parkway
Mt. Vernon, NY 10550
914/699-1900

Kaye's Kids
1010 E. Pettigrew Street
Durham, NC 27701-4299
919/683-1051

Handicapped Children's Technological Services. Inc.
P.O. Box 7
Foster, RI 02825
401/861-3444

Adaptive Aids
P.O. Box 57640
Tucson, AZ 85732
602/745-8112, 800/223-5369

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Toys for Special Children, Inc.
385 Warburton Ave.
Hastings on Hudson, NY 10706
914/478-0960

The Able Child
1761 Stewart Avenue
New Hyde Park, NY 11040

Crestwood Company
6625 N. Sidney Place
Milwaukee, WI 53209
414/352-5678

Associations and Organizations

LEKOTEK
2100 Ridge
Evanston, IL 60204
312/328-0001

A non-profit resource center with specialized play materials and therapy equipment for loan.

USA Toy Library Association (USA-TLA)
Judith Iacuzzi, Exec. Director
2719 Broad
Evanston, IL 60201
312/864-8240

Toy library network, information on adaptive toys, quarterly newsletter and written and visual resources.

Books and Pamphlets

This resource list provides information on books and pamphlets of interest to disabled persons and those working with them. Particular emphasis has been put on resources that pertain to computer access for people with disabilities. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Selection and use of Simple Technology in Home, School, Work and Community Settings
Jackie Levin and Lynn Scherfenberg
AbleNet, Inc.
1081 Tenth Avenue SE
Minneapolis, MN 55414-1312
(612) 379-0956, (800) 322-0956

Provides a model for decision-making that can help parents and service providers link technology to the identified needs, capabilities and interests of their children/students. Uses real case studies to explain the process and its outcomes.

Breaking Barriers
Jackie Levin and Lynn Scherfenberg
AbleNet, Inc.
1081 Tenth Avenue SE
Minneapolis, MN 55414-1312
(612) 379-0956, (800) 322-0956

An introduction to assistive technology for parents teachers and other service providers. Includes information about simple technology systems and how to use them during leisure, domestic and vocational activities.

Fun for Everyone
Jackie Levin and Kathy Enselein
AbleNet, Inc.
1081 Tenth Avenue SE
Minneapolis, MN 55414-1312
(612) 379-0956, (800) 322-0956

Describes how many leisure activities and commercially available toys, games and appliances can be modified using a variety of simple tools. This book addresses goals in play and leisure, and discusses strategies for participation.

Computer Technology for the Handicapped: Proceedings of the Closing the Gap Conference
Grogan, M. and Hagen, D.
Closing the Gap
P.O. Box 68
Henderson, MN 56044
(612) 248-3294

These proceedings of the CTG Conference presentations provide information on application of computers for disabled persons.

Trace ResourceBook
Jane Berliss, Peter Borden, Gregg Vanderheiden
1990
Trace Center
S-151 Waisman Center
1500 Highland Ave.
Madison, WI 53705
(608) 262-6966

This directory lists assistive products for communication, control and computer access for people with disabilities. About 1400 products are included. Each of the product entries includes a description, price and when available a picture. Products are cross referenced by functions and features. Additional information resources are also listed. Approx. 900 pp.

Using Authoring in Education: Customizing Computer Based Lessons for Students
1986
Brookline Books, Inc.
P.O. Box 1046
Cambridge, MA 02238
617/868-0360

Book designed for the educator who is serious about making maximum utilization of the computer in instructional settings. Contains information on authoring systems, enhancements and special features such as graphics, modified input devices, voice and speech synthesis.

Considerations 4.2: Results of the Industry/Government Cooperative Effort on Computer Accessibility for Disabled Persons
Vanderheiden, G.C., and Lee., C.C. (coordinators)
1988
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705

These Considerations are a result of industry-government-researcher-consumer cooperative effort to study the designs of computers and develop recommendations for modifications to make them more accessible. The particular focus of these Considerations is the ability for disabled persons to use standard computers and standard software. The Considerations are continually revised based upon the work of the committee. Anyone may participate by securing a copy of the Considerations, reviewing them, and sending in comments.

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Special Education Applications for PowerPad
Dunamis, Inc.
3620 Highway 317
Suwanee, GA 30174
404/932-0485

Pamphlet describing special education applications for the PowerPad keyboard. Applications range from simple (cause-and-effect) to high-level (advanced portable communication board training).

Effective Microcomputer Assisted Instruction for the Vocational Education of Special Needs Students
1983
University of Wisconsin-Madison
Publications Unit
265 Educational Sciences Building
1025 West Johnson Street
Madison, WI 53706
608/263-4779

Manual provides assistance to persons concerned with the vocational and career education of handicapped youth. Contains microcomputer assisted instructional programs, program name, developer, contact person, vocational area, and type of student for which the program was found effective.

Express Yourself - Communication Disabilities Need Not Be Handicaps
Peg L. Johnson
1986
Pegijohn
6432 5th Avenue
South Richfield, MN 55423

This book demonstrates how individuals with communication disorders are currently achieving various degrees of self-expression through the use of portable electronic augmentative communication aids.

Occupational Therapy In Health Care
Haworth Press, Inc.
28 East 22nd Street
New York, NY 10010
212/563-4240

Special issue on technology available.

Communication Interaction Between Aided and Natural Speakers
Arlene W. Kraat
1985
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966

A compilation of published and unpublished research, clinical observations and perspectives of aid users. Sponsored by IPCAS: The International Project on Communication Aids for the Speech Impaired

Recognizing and Enhancing the Communication Skills of Your Group Home Clients
Beverly Vicker
1985
Development Training Center
Attn: DTC Library
2853 East Tenth Street
Bloomington, IN 47405
812/335-6508

Publication on practical application of augmentative communication training in group home settings.

Computer Technology/Special Education Rehabilitation Proceedings
1986 - 1990
Office of Disabled Student Services
California State University, Northridge
1811 Nordhoff Street
Northridge, CA 91330
818/885-2869

Contain papers based on the presentations at the conference of the same name, held each year. Separate proceedings published for each year.

Assistive Technology Sourcebook
Alexandra Enders & Marian Hall (Eds.)
1990
RESNA Press
RESNA
1101 Connecticut Avenue NW, Suite 700
Washington DC 20036
202/857-1199

This Sourcebook provides an exhaustive listing of resources for individuals with disabilities and the professionals working with them. It also contains helpful brief articles explaining major concepts, philosophies, and technical information on all the major areas of assistive technology. 576 pp.

Independence Day
Peter Green and Alan J. Brightman
1990
DLM Teaching Resources
One DLM Park
Allen, TX 75002
800/527-4747

Basic introduction to the topic of computers and disability. Describes the strategies of four individuals with disabilities, and provides general information about the types of products available and how they can be applied. Emphasizes how you can learn more and become an expert yourself. 137 pp.

Personal Computers and Special Needs
Frank G. Bowe
1984
Sybex, Inc.
Alemeda, CA 94501

This book shows how computers can be used by individuals with different disabilities, in part by sharing the stories of people who are using computers now. NOW OUT OF PRINT. Check libraries if interested.

Personal Computers and the Disabled
Peter A. McWilliams
1984
Quantum Press, Doubleday and Company, Inc.
Garden City NY 11530

This book gives an introduction and overview of the computer and its potential applications for disabled individuals. Includes comprehensive resource listings of associations, federal government agencies, state agencies, etc. NOW OUT OF PRINT; check a library if interested.

Handbook of Microcomputers in Special Education
Michael M. Berhmann
1988
Singular Publishing Group
4284 41st Street
San Diego, CA 92105
800/521-8545

This book provides an overview of computer applications in special education. Includes information on computer basics, adaptive devices and toys, software applications, and using computers in instruction.

Clinical Applications of Microcomputers in Communication Disorders
James L. Fitch, University of Southern Alabama, Mobile
1986
Harcourt Brace Jovanovich
New York, NY

A comprehensive reference for the utilization of the microcomputer in the field of communication disorders. An appropriate text for courses on clinical management, as well as a resource for professionals in the field of communication disorders

Microcomputer Resource Book for Special Education
Dolores Hagen
1984
Prentice-Hall, Inc.
200 Old Tappan Road
Old Tappan NJ 07675
201/767-5937

This book gives an overview of current applications for individuals with disabilities.

The Educational Software Preview Guide
1990-91
ISTE (International Society for Technology in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403-9905
503/346-4414

Lists over 400 titles of favorably reviewed software for K-12 classroom use by curriculum area.

Cognitive Rehabilitation Resources for the Apple II Computer
Jeffery S. Kreutzer, Mark R. Hill, Catherine N. Morrison
1987
Neuroscience Publishers
6555 Carrollton Avenue
Indianapolis, IN 46220
(317) 257-9672

Contains information on setting up and using computers in cognitive rehabilitation, plus reviews of available software.

Careers, Computers, and the Handicapped
Michael Bender, Nancy Pin-Milburn, Lee Richmond
1985
Pro-Ed
8700 Showal Creek Boulevard
Austin, TX 78758
512/451-3246

Discusses issues and techniques related to the use of computers in vocational rehabilitation. 153 pp.

Everybody's Technology: A Sharing of Ideas in Augmentative Communication
Christiane Charlesbois-Marois
Charlescoms Enr.
P.O. Box 419
Jean Talan Station
Montreal, Quebec H1S 2Z3

This book covers the basic principles and techniques of augmentative communication.

Communication Programming for Persons with Severe Handicaps: Vocal and Augmentative Strategies
Carolyn Ramsey Musselwhite and Karen Waterman St. Louis
1988
Singular Publishing Group
4284 41st St.
San Diego, CA 92105
800/521-8545

Covers a variety of issues in developing communication systems for people with vocal impairments, including the use of speech and non-vocal techniques. Includes annotated bibliography and resource lists. 408 pp.

Communication Augmentation: A Casebook of Clinical Management
David R. Beukelman, Kathryn M. Yorkston and Patricia A. Dowden
1985
Singular Publishing Group
4284 41st St.
San Diego, CA 92105
800/521-8545

Augmentative communication practice discussed in terms of thirteen specific clinical examples. Additional information on needs assessment and intake for evaluation. 230 pp.

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Information Resources for Blind and Visually Impaired Individuals

This list contains useful sources of information for blind and visually impaired computer users. The list is divided into three sections: Books and Publications, Newsletters and Other Periodicals and Organizations. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Publications

Financing Adaptive Technology
Steven B. Mendelsohn
1987
The Smiling Interface
P.O. Box 2792
Church Street Station
New York, NY 10008
212/222-0312

Covers in detail the process of acquiring and funding adaptive computer technology for people who are blind. The author draws on his own personal and legal knowledge of the process.

The Resource Manual, 3rd Edition
1988
Project CABLE (Computer Access for the Blind in Education and Employment)
The Carroll Center for the Blind
770 Centre Street
Newton, MA 02159
617/969-6200

This manual includes curriculum, evaluation forms, lesson plans and resources to assist in setting up or running a program. Other topics covered include funding and staffing.

Newsletters and Other Periodicals

The Communicator
Route 4, Box 26
Hillsville, VA 24343
703/766-3869

A twice-monthly newsletter designed to provide information to teachers of the visually handicapped. Emphasis is on advances in technology and how they are being used. Includes teaching hints, software reviews, user comments, and suggestions. Available in large or regular print or on tape

Tactic
Clovernook Printing House for the Blind
600 Hamilton Avenue
Cincinnati, OH 45231
(513) 522-3860

International quarterly published in braille; offers information and reviews on technology for people with visually impairments.

Raised Dot Computing Newsletter
408 South Baldwin Street
Madison, WI 53703
608/257-9595 general
608/257-8833 technical

Monthly; explores microcomputer applications for people with visual impairments. Available in print, large print and audio.

Softdisk Magazette
P.O. Box 30008
Shreveport, LA 71130
318/221-8718

A monthly magazine on Apple disks; features articles and programs, most usable with the Echo II speech synthesizer.

A Talk
Jeff Weiss
3015 South Tyler Street
Little Rock, AR 72204
501/666-6552

A quarterly magazine, available on disk, for computer users with speech synthesizers. Back issues available.

Technology Update
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430

Bimonthly newsletter with information regarding technology and vision impairment. Includes new product announcements, product reveiws and consumer information. Available in print and on cassette.

D-SNUG Newsletter
Disabled/Special Needs Users Group
Boston Computer Society
One Center Plaza
Boston, MA 02108
617/367-8080

Quarterly newsletter of the Disabled/Special Needs Users Group of the Boston Computer Society. Available in print.

The Visual Field
Florida Instructional Materials Center
5002 North Lois Avenue
Tampa, FL 33614
813/876-5016

Quarterly newsletter on products, projects, conferences, etc., related to education of students with visual impairments.

Journal of Visual Impairment and Blindness
American Federation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2020

Research journal on issues related to visual impairment and blindness, including articles on assistive technology. Monthly, Sept - June. Research reviews, application papers and articles on special topics.

Organizations

Access Unlimited/SPEECH Enterprises
P.O. Box 7986
Houston, TX 77270
713/781-7441

Distributes and develops large print and voice output software for other products. Special Apple Speech - Large Print Resource List is available. Catalog of products available in print, on disk or in Braille.

American Printing House for the Blind
P.O. Box 6085
Louisville, KY 40206
502/895-2405

Producers of software for children below college level who have visual impairments. APH also published User Manuals in Braille for Apple computers.

American Council of the Blind
1155 15th St. NW, Suite 720
Washington, DC 20005
202/467-5081

Publishes computer resource list about various devices and where to buy them. Part of ACB is Visually Impaired Data Processors International, a computer users' special interest group.

American Foundation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2020

Two catalogs including books, periodicals and public information material on educational policy, social and research aspects of blindness and visual impairment. The organization has a computer users special interest group.

Braille Institute
741 N. Vermont Avenue
Los Angeles, CA 90029
213/663-1111

This is a school for people who are blind, deaf-blind or partially sighted. It has technological resources available, and a talking book library for people with sensory or physical disabilities.

C-TEC (Computer Training and Evaluation Center)
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430

Teaches people who are blind or visually impaired to use computer access devices. Provides a center for equipment, resource lists, purchasing guidelines and evaluations of specialized hardware and software.

Computerized Books for the Blind
33 Corbin Hall
University of Montana
Missoula, MT 59812
406/243-5481

Project devoted to providing books in electronic form for people who are blind or have physical disabilities.

Reader Project
2631 Garfield St. NW
Washington, DC 20008
202/667-7323

Organization involved in publishing books in electronic form for people with disabilities.

National Association of Blind and Visually Impaired Computer Users
P.O. Box 1352
Roseville, CA 95661-1352
916/786-3923 (modem)
916/783-0364 (voice)

A nonprofit, charitable corporation with the purpose of gathering and sharing useful information for blind and visually impaired computer users, and providing a mechanism for ongoing exchange of data between manufacturers, self-help groups, interested parties, and the blind community. Also has developed the International Blind Users Group, linking blind users from all over the world, into one users group. Runs CompuHelp database and bulletin board. (See Networks, Bulletin Boards and Databases.)

AFB National Technology Center
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2051

Evaluates products; user network; database information. A resource for blind and visually impaired persons and involved professionals. Also a research and development center.

The Carroll Center for the Blind
770 Center Street
Newton, MA 02158
617/969-6200

Various publications; computer training (Project Cable) and other educational programs.

4 Sights Network
National Information System for the Visually Impaired
16625 Grand River
Detroit, MI 48227
313/272-3900

Teleconferencing, bulletin board, and database for blind persons and those working with them. Database information is available on rehabilitation resources, public policy, calendar of events, software descriptions and reviews, a conference on people with blindness and multiple disabilities, specialized training facilities, low vision, job exchange, technological aids and assistive devices, and occupational information.

Helen Keller National Center
111 Middleneck Road
Sands Point, NY 11050
516/944-8900

Center for teaching adults who are deaf and blind. A variety of skill training is available, including working with computers.

Blind Rehabilitation Center
Hines Veterans Administration Hospital
124 Veterans Hospital
Hines, IL 60141
312/343-7959

Information on various types of computer access devices for people with visual impairments.

Appendix B-3: Information Resources for Blind and Visually Impaired Individuals

National Association for the Visually Handicapped
22 West 21st Street
New York, NY 10010
212/889-3141

Organization dealing with the needs of people who are partially sighted. Contact for information about computer access. Also a San Francisco office at 3201 Balboa Blvd. San Francisco, CA 94121.

National Braille Press, Inc.
88 St. Stephen Street
Boston, MA 02115
617/266-6160

Publications on personal computer technology for people who are blind. Many printer and modem manuals transcribed in Braille.

Committee on Evaluation of Technology
National Federation of the Blind
1800 Johnston Street
Baltimore, MD 21230
301/659-9314

Committee evaluates current and proposed technology for people who are blind or visually impaired.

Sensory Aids Foundation
399 Sherman Avenue Suite 12
Palo Alto, CA 94302
415/329-0430

Compiles and publishes consumer information on technology, including computer adaptations, for blind and visually impaired people. Assists in career placement for people who have visual or hearing impairments.

Smith-Kettlewell Eye Research Foundation
Rehabilitation Engineering Center
2232 Webster Street
San Francisco, CA 94115
415/561-1619

Research and development center on assistive technolgy for people who are blind or visually impaired. Products are not necessarily computer related; however, they have done some work on the development of computer access devices.

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Information Resources for Deaf and Hearing Impaired Individuals

The following list contains information resources for people who are deaf or hearing impaired: books and printed materials, organizations, and newsletters and periodicals. All deal in some way with applications of computers or other high technology to needs of people with hearing impairments. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Organizations

National Association of the Deaf
814 Thayer Ave.
Silver Spring, MD 20910
301/587-1788 (voice and TDD)

A non-profit consumer advocacy association that assures a comprehensive coordinated system of services is available to all persons in America with a hearing loss. The group works to enable them to achieve their maximum potential through increased independence, productivity and integration into the community.

National Technical Institute for the Deaf (NITD)
Rochester Institute of Technology
Division of Public Affairs, Department V
One Lomb Memorial Drive
P.O. Box 9887
Rochester, NY 14623-0887
716/475-6400

The world's largest technical college for deaf students, offering the opportunity for deaf students to go to college in a hearing environment to facilitate transition to a hearing society (15,000 hearing students; 1,250 college-age deaf students). Funded by the U.S. Department of Education. Publishes a list of captioned educational videotapes.

Software To Go
Model Secondary School for the Deaf
Gallaudet University
800 Florida Avenue NE
Washington, DC 20002
202/651-5333

Serves as an evaluation information clearinghouse and lending library of commercially produced software. Services available to schools and programs involved with the education of hearing impaired students. Publishes a catalog annually.

Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220

National organization offering support services to deaf individuals.

National Information Center on Deafness
Gallaudet University
800 Florida Avenue
Washington, DC 20002
202/651-5109

Provides either direct information or appropriate references to deaf or hearing impaired individuals. The center also publishes brief bibliographies and narrative fact sheets on requested topics free of charge.

Publications

The Voice
P.O. Box 2663
Corpus Christi, TX 78403
512/884-8388 (voice or TDD)

National bimonthly publication. Information for people with hearing impairments including articles on adaptive devices.

Shhh (Self-Help for Hard of Hearing People)
7800 Wisconsin Avenue
Bethesda, MD 20814
301/657-2248 (voice)
301/657-2249 (TTY)

Bimonthly. A journal about hearing loss. Including educational reports and case studies. Also have an annual national conference and a publications listing that people can order from.

American Annals of the Deaf
800 Florida Avenue NE
Washington, DC 20002
202/651-5342

Monthly journal for professionals working with individuals who are deaf or hearing impaired.

Newsounds
Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220

Newsounds is a newsletter for individuals who are deaf or hearing impaired, for their parents and for professionals. Published ten times per year.

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Volta Review
Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220

This journal for people with hearing impairments reports on a variety of technology-related topics and issues. Published seven times per year.

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Networks, Bulletin Boards and Databases

This is a summary of databases and computerized networks of interest to people with disabilities and those working with them. The list includes databases that must be accessed by modem and those which can be stored on an individual computer. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information before going on line.

4 Sights Network
National Information System for the Visually Impaired
16625 Grand River
Detroit, MI 48227
313/272-3900

Teleconferencing, and bulletin board for blind persons and those working with them. Database information is available on rehabilitation resources, public policy, calendar of events, software descriptions and reviews, a multihandicapped blind conference, specialized training facilities, low vision, job exchange, technological aids and assistive devices, and occupational information.

ABLEDATA
Adaptive Equipment Center
Newington Children's Hospital
181 E. Cedar St.
Newington, CT 06111
203/667-5405 (in CT)
800/344-5405

A computerized listing of all commercially available products for rehabilitation and independent living. There are three ways to access the database: calling the ABLEDATA office, direct searching through via modem, and using Hyper-ABLEDATA software on an individual computer (no modem required). Hyper-ABLEDATA is available from the Trace Center.

Accent on Information
P.O. Box 700
Bloomington, IL 61702
309/378-2961

A computerized product database organized by categories of equipment and by disability function.

AdvocNet
The National Center for Research in Vocational Education
University of California-Berkeley
1995 University Ave., Suite 375
Berkeley, CA 94704
800/762-4093

An electronic mail network that serves adult and vocational special needs users.

CompuPlay Database
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60204
(708) 328-0001

Database of software for students with special needs. Available on disk (as AppleWorks file) or on paper. Entries are reviewed by CompuPlay instructors, teachers and parents.

CompuServe Diabilities Forum
CompuServe
P.O. Box 20212
5000 Arlington Centre Blvd.
Columbus, OH 43220
800/848-8990

CompuServe is a nationwide computer bulletin board system, open to anyone interested and providing information and discussion forums on a wide array of topics. Included is a Disabilities Forum, dealing with disability and rehabilitation.

CONFER
Easter Seal Communication Institute
250 Ferrand Drive
Don Mills, ON M3C 3P2
CANADA
416/421-8377

A computer conferencing network that enables users to establish and participate in technology-related forums and conferences regarding individuals with communication impairments. Serves as a forum for the International Society for Augmentative and Alternative Communication (ISAAC).

CTG Solutions
Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294

A database with information on computer technology for persons with disabilities. Mail or phone inquiries; operator sends a printed document.

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CUSSNet (Computer Use in Social Services Network)
Attn. Dick Schoech
School of Social Work
University of Texas at Arlington
P.O. Box 19129
Arlington, TX 76019
817/273-3964

Computerized inventory of commercially available and public domain human services software. One component specializes in information on computers and users with disabilities. Classification by special interest group available. Local and national bulletin boards, downloading of public domain software, skills bank, special interest groups.

Developmental Disabilities Connection
Association for Retarded Citizens
2501 Avenue J
Arlington, TX 75006
817/640-0204

National computer bulletin board system for issues related to developmental disabilities. Also maintains on-line library of information.

Direct Link
P.O. Box 6762
Solvang, CA 93463
805/688-1603

Information and referral service. Links disabled people with providers of direct services. Can be contacted directly by phone (voice not modem).

ERIC Clearinghouse on Handicapped and Gifed Children
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
703/620-3660

ERIC (Educational Resources Information Center) maintains a database of educational materials, reports, and bibliographic information on students with disabilities. The information is available via computer, microfiche, or paper copy.

Hyper-ABLEDATA
Trace Center
S-151 Waisman Center
1500 Highland Ave.
Madison, WI 53705
608/262-6966
608/263-5408 (TDD)

This software provides the complete ABLEDATA assistive technology database in a form that can be used on an individual computer. The database lists over 16,000 products.

JAN (Job Accommodation Network)
West Virginia University
809 Allen Hall
P.O. Box 6123
Morgantown, WV 26506
304/293-7186 (general information)
304/526-4698 (WV residents)
800/526-7234
800/526-2262 (in Canada)

International information network and consulting resource for accomodating persons with disabilities in the workplace.

LINC Resources, Inc.
4820 Indianola Ave.
Columbus, OH 43214
614/885-5599
800/772-7372

A computerized database of the software for instruction, personal assistance, administration, and testing.

National Information Service
Center for Developmental Disabilities
University of South Carolina
Columbia, SC 29208
803/777-4435

National referral service for disability-related services around the country. Accessible by phone (not computer).

REHABDATA
National Rehabilitation Information Center (NARIC)
8455 Colesville Road, Suite 935
Silver Spring, MD 20910
(301) 588-9284
(800) 346-2742

A database of rehabilitation-related literature. The official archives of the National Institute on Disability and Rehabilitation Research, U.S. Dept. of Education.

Rare Disease Database
NORD
Box 8923
New Fairfield, CT 06812
203/746-6518

This is a searchable database on CompuServe, accessible with a PC and a modem. Contains health related information with resources that can be contacted for further assistance.

SCAN (Shared Communication and Assistance Network)
8630 Fenton St., Suite 410
Silver Spring, MD 20910
301/588-8252

Electronic mail and bulletin boards for organizations that serve persons with developmental disabilities.

SpecialNet
GTE Educational Services
8505 Freeport Pkwy.
Irving, TX 75063
800/634-5644

This network features telephone access, electronic mail, bulletin boards and data collection in the area of special education. Information transmitted concerns conferences, computing, litigation, RFPs, consultants, and employment.

TECH LINE
Center for Special Education Technology
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
800/873-8255

Electronic bulletin board offering news about special education technology and information from other special educators. Information is primarily on how the technology is used, rather than on the products. Information and fact sheets also available at no charge, distributed as a topical newsletter that changes every 4-6 weeks.

Tell 'em Ware Database
Tell 'em Ware
1714 Olson Way
Marshalltown, IA 50158
(515) 752-9667

AppleWorks database of organizations, companies and individuals offering assistance, information or products to assist school-age special needs computer users. Mostly Apple computer information, but some IBM and generic application information as well.

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Newsletters and Journals

This list is divided into two sections. The first contains periodicals with information for computer users with disabilities and for those using computers to teach persons with disabilities. The second section lists periodicals with information in the area of augmentative communication. No recommendations or endorsements are implied by inclusion in this list. Contact each resource for specific, up-to-date information.

Computer Use

Journal for Computer Users in Speech and Hearing
Computer Users in Speech and Hearing (CUSH)
P.O. Box 2160
Hudson, OH 44236
216/972-6803

Journal dealing with computer applications in diagnosis, treatment, and delivery of services persons with communication impairments. Includes software/hardware reviews, new product announcements and summaries.

American Journal of Occupational Therapy
American Occupational Therapy Association
1383 Piccard Drive
Rockville, MD 20850
301/948-9626

Publication that lists new approaches, practices, research, educational activities and professional trends in occupational therapy.

SERC Newsletter
Special Education Resource Center
25 Industrial Park Road
Middletown, CT 06457
203/632-1485

Outlines the Special Education Resource Center's inservice activities, and lists new acquisitions, including professional books, additional information on instruction resources and bibliographies on research.

Education Computer News
Business Publishing, Inc.
951 Pershing Drive
Silver Spring, MD 20910
301/587-6300

Bi-weekly newsletter that reports on computer advances in education. Reports on teacher training, software purchasing, obsolescence, new products, research, legislation, state and local news, meetings and conventions.

A Talk
Jeff Weiss
3015 South Tyler Street
Little Rock, AR 72204
501/666-6552

A quarterly magazine, available on disk, for computer users with speech synthesizers. Back issues available.

Cognitive Rehabilitation
6555 Carrollton Avenue
Indianapolis, IN 46220
317/257-9672

Bimonthly journal that includes articles on the use of computers in cognitive retraining, software reviews, and printed source code to allow readers to program new applications.

Rehabilitation Digest
Canadian Rehabilitation Council for the Disabled
45 Shepard Ave. E, Suite 801
Toronto, ON M2N 5W9
CANADA
416/250-7490

Quarterly. Each issue contains the feature, "Let's Get Technical," highlighting technology and aids to daily living. Also contains regular sections which highlight articles and books that would be of interest to the rehab community.

The Exceptional Parent
Psy Ed Corporation
170 Commonwealth Avenue
Boston, MA 02134
617/730-5800

This publication is printed 8 times a year and covers technology and exceptional children as well as new technological developments. Devotes one issue each year strictly to technology.

Education of the Handicapped
Capitol Publications
1101 King Street
Suite 444
Alexandria, VA 22314
703/683-4100

Bimonthly newsletter containing current information about federal, state, and local efforts to educate handicapped children. Covers new laws and regulations, court cases and funding.

Word from Washington
United Cerebral Palsy Assocations, Inc.
66 East 34th St.
New York, NY 10016
212/481-6344

This newsletter covers events in the federal government that relate to people with disabilities.

Input/Output
669 Castleton Avenue
Staten Island, NY 10301
718/442-2225 ext. 250

This quarterly periodical is published by students with emotional disabilities in the New York City Public Schools. It serves as a clearinghouse for technology in special education.

D/SNUG Newsletter
Boston Computer Society
One Center Plaza
Boston, MA 02108
617/367-8080

Quarterly newsletter of the Disabled/Special Need Users Group of the Boston Computer Society.

Viewpoint
Center for Information Resources
University of Pennsylvania
4212 Chestnut Street, 3rd Floor
Philadelphia, PA 19104
215/898-8108

A quarterly publication designed to address the community of individuals interested in training and placement of persons with disabilities in the field of data processing.

Link-and-Go/COPH Bulletin
COPH-2
2030 Irving Park Road
Chicago, IL 60618
312/477-1813

Periodicals dedicated to persons with disabilities who use personal computers. Published 3 - 4 times per year.

The Disability Rag
The Advocado Press, Inc.
Box 145
Louisville, KY 40201
502/459-5343

Deals with social change and political issues affecting the disability rights movement. Frequently contains articles regarding the relevance of technology and announcements about new technology.

ConnSENSE Bulletin
University of Connecticut
Box U-64
249 Glenbrook Road
Storrs, CT 06269
203/486-0165

Contains reviews of software as they apply to students with special needs. Lists upcoming events and technological breakthroughs for people with disabilities as well as resource and reference information.

A+ InCider Magazine
IDG Communications/Peterborough, Inc.
80 Elm St.
Peterborough, NH 03458
603/924-9471

Monthly magazine dealing with Apple II computers. Articles and reviews, including educational software.

The Disabled Challenger
Lake Kissick
1038 Hevl Road
Wooster, OH 44691
800/642-8255

Quarterly newsletter. Emphasizes positive outlooks on disability and technology. Published by a communication aid user.

Technology Update
Sensory Access Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430

A bimonthly newsletter on technology for people who are blind or partially sighted. Hardware and software evaluations are included.

Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294

Bimonthly. Information on the use of computers in special education and rehabilitation, including software and hardware reviews, user comments, articles, and suggestions.

Computer-Disability News
National Easter Seal Society
70 East Lake St.
Chicago, IL 60601
312/667-8400

Quarterly; announcements regarding products, software, meetings, grants; interviews with leaders in the field.

Assistive Technology
RESNA
1101 Connecticut Avenue NW, Suite 700
Washington, DC 20036
202/857-1199

Journal of RESNA, an interdisiplinary society for the advancement of rehabilitation technology.

The Sloane Report
P.O. Box 561689
Miami, FL 33256
305/251-2199

Bimonthly. Information on the computer industry, software and hardware reviews, consumer tips, and product information.

Classroom Computer Learning
2451 East River Road
Dayton, OH 45439
800/543-4383

Newsletter aimed toward copmuter use in education and administration of K-12 schools and colleges.

The Computing Teacher
ISTE (International Society for Technology and Education)
1787 Agate Street
University of Oregon
Eugene, OR 97403
503/346-4414

Eight issues per year. The journal of ISTE (International Society for Technology and Education). Articles, columns of various interest areas (logo, math, language arts, sciences) software reviews, new products, calendars/updates.

Educational Technology
Educational Technology Publications
720 Palisade Avenue
Englewood Cliffs, NJ 07632
201/871-4007

Monthly. Articles dealing with the application of all technology relating to education, literature and product reviews, and abstracts of documents from the ERIC Clearinghouse of Information Resources.

Journal of Special Education Technology
Peabody College of Vanderbilt University
Box 328
Nashville, TN 37203
615/322-8150

Quarterly; Information, research, and reports of innovative practices applicable to educational technology.

The Technology Connection
Research and Training Center
Stout Vocational Rehabilitation
School of Education & Human Services
University of Wisconsin-Stout
Menomonie, WI 54751
715/232-1389

Newsletter published four times per year. Deals with technolgoy in vocational rehabilitation, including the use of computers.

The Advocate
NSAC
1234 Massachusetts Avenue NW
Suite 1017
Washington, DC 20005
301/565-0433

Contains current information relating microcomputers to the teaching of autistic children. Also lists information concerning conferences relating to computers and autism. Quarterly.

Journal of Learning Disability
PRO ED, Inc.
5341 Industrial Oaks Blvd.
Austin, TX 28735
512/451-3246

A multidisciplinary publication that covers practice, research and theory related to learning disabilities. Includes coverage of computers in the schools.

The Macintosh Lab Monitor
Computer-Aided Writing Project
The Forman School
Litchfield, CT 06759

This is a publication documenting the Computer-Aided Writing Project at the Forman School, which focuses on teaching writing to students with learning disabilities. Also deals with general educational applications of the Macintosh computer. Published three times per year.

Augmentative Communication

Augmentative and Alternative Communication
Williams and Wilkins
428 E. Preston Street
Baltimore, MD 21202
301/528-4116

Quarterly. Journal focuses on non-verbal communication, integration theory, technology, systems development, assessment, treatment and education of alternative systems users.

Augmentative Communication News
Sunset Enterprises
One Surf Way, Suite 215
Monterey, CA 93940
408/649-3050

Monthly newletter covering topics in augmentative communication. Each issue contains sections on consumer issues, equipment, clincial news, governmental affairs, and research.

Communicating Together
Easter Seal Communication Institute
24 Ferand Drive
Don Mills , Ontario, Canada M3C 3N2
416/421-8377

Communicating Together is a quarterly journal published by the Easter Seal Communication Institute. Provides a means of sharing experiences and information on communication for non-speaking individuals.

Pennsylvania Assistive Technology News
Pennsylvania Assistive Device Center
Gateway Corporate Center
6340 Flank Drive, Suite 600
Harrisburg, PA 17112-2764
717/541-4960 or 800/360-7282 (for Penn. residents)

Quarterly; Provides product information, announcements, and conference reports. Focuses on augmentative communication, and includes information on computer access peripherals.

Communication Outlook
Circulation Manager
Michigan State University
405 Computer Center
East Lansing, MI 48824
517/353-0870

Quarterly; Focuses on communication aids and techniques. Also information for deaf and visually impaired. Also developing new speech technology and augmentative communication. An affiliated publication of the International Society for Augmentative and Alternative Communication (ISAAC) and also the U.S. Society for AAC (USSAAC).

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Selected Resources on Computers for People with Learning Disabilities

This list includes basic information on software resources, organizations, and publications which may be of benefit to people with learning disabilities. Particular emphasis is placed on resources related to the use of computers by people with learning disabilities. No recommendations or endorsements are implied by inclusion on this list.

Software Resources

Special Times
Dept. C
Cambridge Development Laboratory
214 3rd Ave.
Waltham, MA 02154
800/637-0047

Catalog of software selected specifically for children with learning disabilities. Over 100 programs, by subject area. Published twice per year.

Software Recommended for Special Populations
Dr. Eydie Sloane
FDLRS-South
5555 SW 93rd Ave.
Miami, FL 33165
305/274-3501

Alphabetically lists programs in major curriculum areas--language arts, math, social studies, science, career/vocational education, speech/language, survival/independent living skills, leisure activities, word processing/utilities, computer science/technology--and recommends for (1) type of impairment and (2) ability/interest level.

The Specialware Directory: A Guide to Software For Special Education
The Oryx Press
4041 N. Central Ave., Suite 700
Phoenix, AZ 85012
602/265-2651

Comprehensive reference of programs from more than 100 companies. Programs are indexed by curriculum area (further divided into specific skill areas), exceptionality, hardware, use of special peripherals for input and output, level (early childhood, primary, intermediate jr. high, sr. high, adult basic education, professional). Programs for special education administration are included, such as authoring systems, learner evaluation and assessment, records maintenance/general administration and management, teacher utilities.

Connecticut Special Education Network/Software Evaluation
ConnSENSE
Box U-64
249 Glenbrook Road
University of Connecticut
Storrs, CT 06269
203/486-0172

Concerned with evaluating courseware for students with disabilities. Has telecommunications system for special education administrators, and a writing project for students with disabilities.

A Guide To Using Educational Software With Learning Disabled Students
Miriam Furst
The Learning Company
545 Middlefield Road, Suite 170
Menlo Park, CA 94025
415/792-2101
800/852-2256

This publication is meant as a guide for teachers and special educators using Learning Company software with learning disabled students.

The Macintosh Lab Monitor
Computer-Aided Writing Project
The Forman School
Litchfield, CT 06759

This is a publication documenting the Computer-Aided Writing Project at the Forman School, which focuses on teaching writing to students with learning disabilities. Also deals with general educational applications of the Macintosh computer. Published three times per year.

National Resource Institute On Children And Youth with Handicaps (NRICH)
Child Development and Mental Retardation Center
University of Washington
Mail Stop WJ-10
Seattle, WA 98195
206/543-2832

Provides training and resources for professionals who work with children and youth with disabilities, and publishes a quarterly, NRICH Outlook.

Other Resources

Directory of Facilities and Services for the Learning Disabled, 13th Edition
1989 90
Academic Therapy Publications
20 Commercial Blvd.
Novato, CA 94947-6191
415/883-3314

This directory contains a resource listing of programs and vendors around the country serving people with learning disabilities.

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Association for Children and Adults with Learning Disabilities (ACLD)
4156 Library Road
Pittsburgh, PA 15234
(412) 341-1515

A national organization devoted to defining and finding solutions for the broad spectrum of learning problems. Inquirers are sent a free information packet and referred to one of the 800 local chapters of ACLD.

The National Center for Learning Disabilities (NCLD)
99 Park Avenue
New York, NY 10016
(212) 687-7211

Compiles a resource guide which includes a state-by-state listing of special programs, schools, and services.

Orton Dyslexia Society
724 York Road
Towson, MD 21204
(301) 296-0232
(800) 222-3123

An international scientific and educational association. Offers publications which help in understanding dyslexia, including a quarterly newsletter and an annual journal.

Association of Handicapped Student Service Providers in Post-secondary Education (AHSSPPE)
P.O. Box 21192
Columbus, OH 43221
(614) 488-4972

This professional organization offers several pamphlets on the topic of learning disabilities and higher education.

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Software Resources

This list provides additional suggestions about where to look for information on software for special education and rehabilitation. It contains two sections, one listing Software Directories and one listing Software Information Services. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Software Directories and Guides

Special Times
Dept. C
Cambridge Development Laboratory
214 3rd Ave.
Waltham, MA 02154
800/637-0047

Catalog of software selected specifically for children with learning disabilities. Over 100 programs, by subject area.

Software Directory of Free Educational Material and Special Education Software
Education Associates
P.O. Box 35221
Phoenix, AZ 85069
602/234-1762

Catalog: Software and Hardware
Access Unlimited/Speech Enterprises
P.O. Box 7986
Houston, TX 77270
713/781-7441

250 software and hardware programs for people with disabilities.

Software Recommended for Special Populations
Dr. Eydie Sloane
FDLRS-South
5555 SW 93rd Ave.
Miami, FL 33165
305/274-3501

Alphabetically lists programs in major curriculum areas--language arts, math, social studies, science, career/vocational education, speech/language, survival/independent living skills, leisure activities, word processing/utilities, computer science/technology. Recommends for (1) hearing impairment, vision impairment, motor impairment, mentally retardation or learning disability and (2) ability/interest level: preschool, elementary, junior, senior and adult.

UCLA/LAUSD Microcomputer Team Handout
23-10 Rehabilitation Center
1000 Veteran Avenue
Los Angeles, CA 90024
(213) 825-4821

Lists hardware, software and books used by the UCLA/LAUSD Microcomputer Team, which uses computers with students who have disabilities. Software is categorized and has brief descriptions.

The Specialware Directory: A Guide to Software For Special Education
The Oryx Press
4041 N. Central Ave., Suite 700
Phoenix, AZ 85044
800/279-6799

Comprehensive reference of programs from more than 100 companies. Programs are indexed by curriculum area (further divided into specific skill areas), exceptionality, hardware, use of special peripherals for input and output, academic level. Programs for special education administration are included.

The Educational Software Preview Guide
1990-91
ISTE (International Society for Technology in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403-9905
503/346-4414

Lists over 400 titles of favorably reviewed software for K-12 classroom use by curriculum area.

Only the Best: The Discriminating Software Guide
For Preschool - Grade 12
1991
Education News Service
P.O. Box 1789
Carmichael, CA 95609
916/483-6159

Identifies 159 educational software programs for K-12 that have received the highest grades from 32 software evaluation services.

Technology in Curriculum (TIC) Project
Technology Unit, California Dept. of Education
Publications and Sales
P.O. Box 271
Sacramento, CA 95802
916/445-1261

Six resource guides which explain how 100 videos and 500 software program fit into the curriculum with specified learning objectives. Included are 5-10 detailed lesson plans using programs for different grades in each subject area. Data related software (Apple II) merges information in the resource guides electronically.

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IBM Corporation
Special Needs System
P.O. Box 1328
Boca Raton, FL 33432
800/426-4832

A guide to adaptive devices, software and services for speical education, vocational rehabilitation and employers.

Trace ResourceBook
Jane Berliss, Peter Borden, Gregg Vanderheiden
1990
Trace Center
S-151 Waisman Center
1500 Highland Ave.
Madison, WI 53705
(608) 262-6966

This directory lists assistive products for communication, control and computer access for people with disabilities. About 1400 products are included. Each of the product entries includes a description, price and when available a picture. Products are cross referenced by functions and features. Additional information resources are also listed. Approx. 900 pp.

Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294

Bimonthly magazine. Information on the use of computers in special education and rehabilitation, including "Software Previews" column, user comments, articles, and suggestions.

CompuPlay Database
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60204
(312) 328-0001

Descriptions and reviews of software for children with disabilities, including: subject, content, age level, exceptionality, hardware, peripherals, description, comments, price, graphics, animation, and sound. Software reviewed by staff and National Lekotek Center. Available in print or on disk (AppleWorks).

Apple K-12 Curriculum Software Reference Guides
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, CA 95014

Directories of software for education for Apple Computers. Cross indexed by curriculum skills. Contact local sales represeniative for copies.

The Digest of Software Reviews: Education
3999 N. Chestnut Street, Suite 333
Fresno, CA 93726
209/431-8300

1000+ review extracts from 150 journals and magazines; monthly issues and circulation indexes by title, subject, publisher and computer.

Cognitive Rehabilitation
6555 Carrollton Avenue
Indianapolis, IN 46220
317/257-9672

Publication for therapists, family, and patients who have already purchased the software system. Relevant information on the rehabilitation of impairments resulting from brain injury. Best of available technology, programs, and new methods.

Software Information Services

Connecticut Special Education Network/Software Evaluation
(ConnSENSE)
Box U-64
249 Glenbrook Road
University of Connecticut
Storrs, CT 06269
203/486-0172

Concerned with evaluating courseware for disabled students. Has telecommunications system for special education administrators, and a telecommunication project for disabled students.

Compuplay
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60204
312/328-0001

Database of software appropriate for children with mental, physical, behavioral, sensory, and learning impairments. Updated bimonthly.

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Videotapes on Augmentative Communication and Computer Access

This list was originally prepared for the Trace ResourceBook Series by Beverly Vicker at the Institute for the Study of Developmental Disabilities, Indiana University. The list has been updated by the Trace Center. All of the tapes listed in this bibliography have not been personally reviewed, so the information in the abstract reflects, in many cases, a description of content by the producing organization. Much of the information was gathered through telephone contacts. An apology is extended to any individual or organization whose video productions were overlooked and subsequently not listed. Please send the appropriate information to the Trace Center for inclusion on future lists.

Growing Up Capable
AbleNet, Inc.
1081 Tenth Ave. SE
Minneapolis, MN 55414-1312(612) 379-0956, (800) 322-0956

Nine minute, full-color videotape. Developed for parents, teachers, therapists and staff trainers, Growing Up Capable shows how children of all ages use simple technology to gain new measures of independence and to interact more fully with siblings and parents, friends, classmates and co-workers. Features real youngsters in a variety of real settings, at home, school and work.

Various augmentative communication videotapes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
800/642-8255

Prentke Romich is a distributor of training tapes, including the use of electronic communication aids.

Access
VHS; 10 minutes 45 seconds
Apple Office of Special Education and Rehabilitation
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, CA 95014
408/974-8602

A demonstration of how computers are affecting the lives of children and adults with disabilities.

PM Magazine's "Jim Brooks"
PM Magazine
1981
VHS, 3/4"; 6 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824
517/353-5399

This tape segment shows an interview with Jim Brooks, who was a client at the Artificial Language Laboratory. The tape is available as a separate tape or on combination tape with "Finding a Voice" and "A Gift for Serena."

Lee Kweller's Bar Mitzvah
CNN/TV and NBC
1985
VHS, 3/4"; 10 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824
517/353-5399

This tape consists of several short clips of tapes that appeared on the above listed TV networks. The tapes include an interview with Lee and his mother, and shows him using his voice output communication device at his Bar Mitzvah.

Eye Scan
Artificial Language Laboratory
1984
VHS, 3/4"; 30 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824
517/353-5399

This video documents the evaluation of a 6-year-old using an eye scanning device.

Disabled Access to Technological Advances
Access to Independence, Inc.
1986
VHS, Beta; 23 minutes
Access to Independence, Inc.
1954 East Washington Avenue
Madison, WI 53704
608/251-7575

This videotape shows how computer technology can be used to enhance employment options in a variety of fields for persons with severe physical disabilities. Featured are three people using computer technology to help achieve their employment goals: a counselor using computer retraining drills and training in word processing; a planner using a lap computer with a speech synthesizer for communication and as a keyboard emulator to access the office computer; a law student describing how word processing and access to legal databases will make him more productive.

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A Gift for Serena
WDIV TV, Detroit
1982
VHS, 3/4"; 20 minute
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824
517/353-5399

This tape documents the search of a family for a communication enhancement system for 9-year-old Serena. John Eulenberg describes the various approaches taken at the Artificial Language Laboratory to help provide Serena with an augmentative means for communication. The tape is available separately or on a combination tape with Nova's "Finding a Voice," (a BBC documentary on the Artificial Language Laboratory) and PM Magazine's segment on Jim Brooks.

To Be Like Anyone Else
Crippled Children's Hospital and South Dakota Dept. of Education
1984
VHS, 3/4"; 29 minutes
Speech Department
Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105

This video demonstrates the usage of augmentative communication devices by multiply handicapped children in a variety of real-life situations.

Talk Is Not a Four-Letter Word
Sally Blackstone and Lucinda Cassatt-Jones
1986
VHS, 3/4"; 16 minute
Publications Department
American Speech-Language Hearing Association (ASHA)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700

This video presents an overview of the area of augmentative communication and illustrates the diversity of individuals with severe expressive communication disorders, and the variety of techniques, strategies and aids used to circumvent the communication problem. An instructional guide is also included.

System for Augmentative Communication
Elaine Heaton and Barbara Strohback
VHS, Beta, 3/4"; 57 minutes
Voice Tapes, Inc.
P.O. Box 5772
Billingham, WA 98227
216/647-3737

The target audience for this tape, which includes a packet of discussion materials, includes pre-service students and professionals with minimal exposure to this area. The content includes a discussion of systems for augmentative written and spoken communication as well as a discussion of low technology systems and a philosophical overview of concepts involved in augmentative programming.

Personal Computing: Help for the Handicapped
Paul Hazan
1981
3/4", VHS, Betamax
Paul Hazan
Applied Physics Laboratory
Johns Hopkins Road
Johns Hopkins University
Laurel, MD 20707
301/953-5364

This captioned tape outlines the potentials of the microcomputer to aid blind, deaf, and physically disabled individuals in everyday situations. A brief review of microcomputer uses is presented.

Personal Computing: Help for the Handicapped--The National Search
Paul Hazan
1981
Betamax; 9:41 minutes
Paul Hazan
Applied Physics Laboratory
Johns Hopkins Road
Johns Hopkins University
Laurel, MD 20707
301/953-5364

This is a videotape of the 1981 Johns Hopkins University National Fair. The tape includes demonstration of an eyetracker communication system, a pocket telecommunicator for the deaf, LipReader/Trainer program package, a reading machine for the blind and dyslexic, a motor handicapped support system, programs for the learning disabled, Microbraille system (a software program).

Hullaballo at High Rock
Crippled Children's School and Hospital
1986
VHS, 3/4"; 12 minutes
Speech Department
Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
605/336-1840

This videotape demonstrates the creative process of producing a play by communication handicapped children using augmentative devices. The tape shows the students and interviews with the various service staff who were involved in the process.

Dependence to Independence
Elaine Trefler, University of Tennessee Rehabilitation Engineering
1986
VHS, Beta, 3/4"; 15 minutes
Association for Advancement of Rehabilitation Technology (RESNA)
Suite 700
1101 Connecticut Avenue NW
Washington, DC 20036
202/857-1199

This videotape presents a broader view of rehabilitation technology as it applies to communication, etc. An overview of nation-wide research projects and service related issues are presented.

From Silence to Soloist
1982
VHS, 3/4"; 27 minutes
Media Resource Center
Meyers Rehabilitation Institute
600 South 42nd St.
Omaha, NE 68198
402/559-7467

This videotape follows the development of communication skills, both oral speech and augmentative skills, of a boy from age 4 to age 11. The tape demonstrates for parents, etc., that the use of augmentative devices, neither manual communication boards nor electronic devices, prevent the child from developing oral speech skills that are possible within the parameters of his neurological abilities.

Finding a Voice
Nova Series
1982
3/4", VHS, Betamax; 60 minutes
Time-Life Videos
WGBH Educational Foundation
100 Eisenhower Drive
Paramis, NJ 07652

This tape shows several augmentative system users. The focus of this tape is on the development of one system for an individual, and a demonstration of it. A description of other systems is presented, as well as an interview with John Eulenberg.

Computer Access for Disabled Individuals
Trace R&D Center
1986
VHS; 16 minutes
Trace R&D Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966

This open captioned videotape demonstrates current computer access techniques for physically disabled, blind, and visually impaired individuals. The impact of the ability to use computers and the importance of ensuring easy access to future computer systems is discussed. Prepared for the NIHR-OSERS Initiative on Computer Access.

Feeling Free
National Clearinghouse of Rehabilitation Training Materials
Jo Kahn, A-V Assistant
Oklahoma State Univers.ty
816 W. 6th St.
Stillwater, OK 74078
405/624-7650

Videotape with six 15-minute segments. Introduces children in the their own environments who are coping successfully with disabilities. The children tell their own stories. Originally shown on public television.

Videotapes Available from IBM
IBM Special Education Programs
1300 Rockville Pike
Rockville Pike, MD 20852
301/897-3859

At My Fingertips (Telesensory Systems, Inc.); Equal to the Task (Telesensory Systems, Inc.); Here I Am: The International Games for the Disabled; IBM: Writing to Read; 1984 Easter Seal Computer Camp; Visualtek Product Demonstration Video

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Appendix C

Service Providers and Organizations

This appendix includes resource lists of people and organizations which provide services relevant to the application of technology in special education, rehabilitation and augmentative communication. Services may range from supplying information to providing support to performing evaluations. The "Service Centers" listing concentrates particularly on evaluations. It is recommended strongly that an evaluation be performed on persons needing a communication or computer access system before major equipment is purchased. Readers are encouraged to send information about any service providers not listed to the Trace Center for inclusion in future editions. The information provided in this appendix is not evaluative, and inclusion on any of the resource lists does not imply endorsement or recommendation. Titles and page numbers of the listings appear on the next page.

Appendix C: Service Providers and Organizations

C-1: Alliance for Technology Access: Member Sites 799

C-2: Resources on the Americans with Disabilities Act 802

C-3: Associations, Advocacy Groups and Self-Help Groups 804

C-4: Computer Assessment and Training Programs for Disabled Individuals 807

C-5: Organizations 810

C-6: Service Centers for Augmentative Communication and Computer Access 814

C-7: Technology-Related Assistance Act: State Programs 822

C-8: Training Programs in Technology for Special Education 825

Alliance for Technology Access: Member Sites

Formerly called the National Special Education Alliance. A national network of local self-help groups dealing with computers and people with disabilities. Each group is self-operated and self-funded.

National Office

Alliance for Technology Access
1307 Solano Ave.
Albany, CA 94706
(415)528-0747

Alabama

Birmingham Alliance for Technology Access Center
Birmingham Independent Living Center
3421 5th Ave. South
Birmingham, AL 35222
(205)251-2223 or (205)251-0863

Technology Assistance for Special Consumers
P.O. Box 443
Huntsville, AL 35804
(205)532-5996

Alaska

Alaska Center for Adaptive Technology
Sheffield Hotel
104 Katlian
P.O. 6069
Sitka, AK 99835
(907)747-6960

Arkansas

Technology Resource Center
c/o Arkansas Easter Seal Society
2801 Lee Avenue
Little Rock, AR 72205
(501)663-8331

California

Team of Advocated for Special Kids
100 W. Cerritos
Anaheim, CA 29805
(714)533-TASK

Disabled Children's Computer Group (DCCG)-Technology Resources for People with Disabilities
2547 8th St., 12-A
Berkeley, CA 94710
(415) 841-3224

Special Technology Center
590 Castro Street
Mountain View, CA 94041
(415)961-6789

Computer Access Center
2425 16th Street, Room 23
Santa Monica, CA 90405
(310)450-8827

Special Awareness Computer Center
Rehabilitation Center
2975 North Sycamore Drive
Simi Valley, CA 93065
(805)582-1881

Colorado

AccessAbility Resource Center
1056 East 19th Avenue, B-410
Denver, CO 80218-1088
(303)861-6250

Florida

Computer CITE
215 E. New Hampshire ST.
Orland, FL 32804
(407)898-2483

Georgia

TechAble
1040 Irwin Bridge Rd
Conyers, GA 30207
(404)922-6768

Hawaii

Aloha Special Technology Access Center
1750 Kalakaua Ave. #1008
P.O. Box 27741
Honolulu, HI 96827-0741
(808)955-4464

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Appendix C-1: Alliance for Technology Access: Member Sites

Illinois

Technical Aids & Assistance for the Disabled Center
1950 West Roosevelt
Chicago, IL 60608
(312)421-3373

Northern Illinois Center for Adaptive Technology
3615 Louisiana Road
Rockford, IL 61108
(815)229-2163

Iowa

READI
Suite A-2
136 36th St. Dr. SE
Cedar Rapids, IA 52403
(319)365-2683

Kansas

Technology Resources for Special People
3023 Canterbury
Salina, KS 67401
(913)827-0301

Kentucky

SpeciaLink
36 W. 5th Street
Covington, KY 41011
(606)491-2464

Blue Grass Technology Center for People with Disabilities
894 Georgetown Street
Lexington, KY 40511
(606)255-9951

Disabled Citizens Computer Center
Louisville Free Public Library
4th and York Streets
Louisville, KY 40203
(502)561-8637

Louisiana

CATER-Center for Adaptive Technology and Educational Resources
1636 Toledano Street, Ste 311
New Orleans, LA 70115-4598
(504)899-8375

Maine

Maine Parent Federation
P.O. Box 2067
Augusta, ME 04338-2067
(207)582-2504

Maryland

Learning Independence Through Computers, Inc.
28 E. Ostend St., Suite 140
Baltimore, MD 21230
(301)659-5462

Massachusetts

Massachusetts Special Technology Access Center
12 Mudge Way 1-6
Bedford, MA 01730
(617)275-2446

Michigan

Living & learning Rescource Centre
Physically Impaired Association of Michigan
601 W. Maple Street
Lansing, MI 48906
(517)487-0883; (800)833-1996(MI)

Minnesota

PACER Center, Inc.
4826 Chicago Avenue South
Minneapolis, MN 55417-1055
(612) 827-2966(V/TDD)

Montana

Parents, Let's Unite for Kids 1500 N. 30th Street
Billings, MT 59101-0298
(406)657-2055

Nevada

Nevada Technology Center
2880 East Flamingo Rd., Suite A
Las Vegas, NV 89121
(702)735-2922

New Jersey

Computer Center for People With disAbilities
c/o Family Resource Associates, Inc.
35 Haddon Ave.
Shrewsbury, NJ 07702
(201)747-5310

The Center for Enabling Technology
9 Whippany Rd.
P.O. Box 272
Whippany, NJ 07981
(201)428-1455

New York

Techspress
Resource Center for Independent Living
409 Columbia Street
Utica, NY 13502
(315)797-4642 (V/TDD)

North Carolina

Carolina Computer Access Center
Metro Schoo
700 East Second Street
Charlotte, NC 28202
(704)342-3004

North Dakota

Pathfinder Parent Training and Information Center
ATA Computer Resource Center
1600 2nd Avenue SW
Minot, ND 58701
(701)852-9426; (701)852-9436

Ohio

Technology Resource Center, Inc: Enabling People with Disabilities
2140 Arbor Boulevard
Dayton, OH 45439-1510
(513)294-8086

Oklahoma

Developmental Disabilities Rescources, Inc.,
4641 S. Braden, Suite 113
Tulsa, OK 74135
(918)664-5257

Oregon

Oregon Outback Technology
Access Center
P.O. Box 2916
La Grande, OR 97850
(503)962-7258

Tennessee

West Tenn. Special Tech. Resource Center
Lambuth College
Carney Johnston Hall
401 Maple Street, P.O. Box 3683
Jackson, TN 38303
(901)424-9089; (901)424-9090

East Tennessee Special Technology Access Center, Inc.,
5719 Kingston Pike
Knoxville, TN 37919
(615)584-4465

Technology Access Center of Middle Tennessee
Fountain Square, Suite 126
2222 Metro Center Blvd.
Nashville, TN 37228
(615)248-6733

Texas

SHIP Resource Center
University United Methodist Church
5084 DeZavala Road
San Antonio, TX 78249
(512)699-1137

Utah

Computer Center for Citizens with Disabilities
401 Twelfth Avenue, Suite 114
Salt Lake City, UT 84103
(801)521-1624

Virginia

Tidewater Center for Technology Access
273 N. Witchduck Road
Virginia Beach, VA 23462
(804)473-5106

Washington

Seattle Technology Alliance for
Resources and Training
257 100th Avenue NE
Bellevue, WA 98004
(206)637-9848

West Virginia

Project G.L.U.E.
c/o Children's Therapy Clinic
2345 Chesterfield Ave.
Charleston, WV 25304
(304)342-6501

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Resources on the Americans with Disabilities Act

The following organizations offer information on complying with the Americans with Disabilities Act. Contact each resource for further information.

National:

National Council on Disabilities
800 Independence Avenue SW
Suite 814
Washington, D.C. 20591

National Institute of Building Science
1201 L Street NW
Suite 400
Washington, D.C. 20005

U.S. Chamber of Commerce
1615 H. Street NW
Washington, D.C. 20062

National Easter Seals Society
Publications Department
70 E. Lake Street
Chicago, IL 60601

The President's Committee on Employment of People with Disabilities
Washington, D.C. 20036-3470

Disability and Business Technical Assistance Centers:

Region I - CT, ME, MA, HN, RI, VT

University of Southern Maine
Muskie Institute of Public Affairs
145 Newbury Street
Portland, ME 04101
(207)874-6535 V/TDD
(207)874-6529 Fax

Region II - NJ, NY, Puerto Rico

United Cerebral Palsy Assoc. of NJ
354 South Broad Street
Trenton, NJ 08608
(609)392-4004 V/TDD
(609)392-3505 Fax

Region III - DE, DC, MD, PA, VA, WV

Independence Center of Northern VA
2111 Wilson Boulevard, Suite 400
Arlington, VA 22201
(703)525-3268 V/TDD
(703)525-6835 Fax

Region IV - AL, FL, GA, KY, MS, NC, SC, TN

United Cerebral Palsy Assoc., Inc.
National Alliance of Business
1776 Peachtree Road, Suite 310N
Atlanta, GA 30309
(404)888-0022, (404)888-9007 TDD
(404)888-9091 Fax

Region V - IL, IN, MI, MN, OH, WI

University of IL at Chicago/UAP
1640 West Roosevelt Road (M/C627)
Chicago, IL 60608
(312)413-1407, (312)413-0453 TDD
(312)413-1326 Fax

Region VI - AR, LA, NM, OK, TX

2323 South Sheperd Boulevard, Suite 100
Houston, TX 77019
(713)520-0232, (713)520-5136 TDD
(713)520-5785 Fax

Region VII - IA, KS, NE, MO

University of Missouri at Columbia
4816 Santana Drive
Columbia, MO 65203
(314)882-3600 V/TDD
(314)884-4925 Fax

Region VIII - CO, MT, ND, SD, UT, WY

Meeting the Challenge, Inc.
3630 Sinton Road, Suite 103
Colorado Springs, CO 80907-5072
(719)444-0252, (719)444-0268 TDD
(719)444-0269 Fax

Region IX - AZ, CA, HI, NV, Pacific Basin

Berkeley Planning Associates
440 Grand Ave., Suite 500
Oakland, CA 94610
(510)465-7884, (510)465-3127 TDD
(510)465-7885

Region X - AK, ID, OR, WA

Washington State Governor's Committee
PO Box 9046
Olympia, WA 98507-9046
(206)438-3168, (206)438-3167 TDD
(206)438-4014 Fax

Materials Development Projects

Employment

Cornell University
School of Industrial & Labor Relations
106 Extension
Ithica, NY 14853-3901
(607)255-7727, (607)255-2891 TDD
(607)255-2763 Fax

International Assoc. of Machinists
Center for Administration, Rehabilitation, and Employment Services
1300 Connecticut Ave. NW, Suite 912
Washington, DC 20036
(202)857-5173, (202)857-5218 TDD
(202)728-2969 Fax

Public Accommodation and Accessibility

Barrier Free Environments, Inc.
Water Garden, Highway 70 West
Raleigh, NC 27622
(919)782-7823 V/TDD
(919)878-1984 Fax

National Training Projects

Peer and Family Training Network

Parent Information Center
151A Manchester Street
PO Box 1422
Concord, NH 03301
(603)224-7005 V/TDD
(603)224-4365 Fax

Local Capacity-Building for Independent Living Centers

National Council on Independent Living
3607 Chapel Road
Newton Square, PA 19073
(215)353-6066, (215)353-6083 TDD
(215)353-6753

ADA Technical Assistance Contract

Abt Associates, Inc.
55 Wheeler Street
Cambridge, MA 02138-1168
(617)492-7100, (617)354-6618 TDD
(617)492-5219 Fax

NIDRR Technical Assistance Grants

NIDRR Technical Assistance Grants
Contact: David Esquith
MES 3424
NIDRR
330 C Street SW
Washington, DC 20202-2572
(202)732-5801, (202)732-5316 TDD

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Associations, Advocacy Groups and Self-Help Groups

The groups and organizations listed below are concerned with the education, rehabilitation, and employment of severely disabled individuals. The list is not comprehensive: states and communities may have agencies that can provide some of the same information and services. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

A Chance to Grow
5034 Oliver Avenue North
Minneapolis, MN 55430
612/521-2266

(ACTG) is a parent self help organization dedicated to the rehabilitation of brain injured children, and offers a sensory-motor home treatment program.

The ALS Association
21021 Ventura Blvd. Suite 321
Woodland Hills, CA 91364
818/990-2151

This national organization acts as a referral service for computers and computer assisted communication devices to ALS patients. Most such patients depend on computers to enable them to communicate with others.

American Academy for Cerebral Palsy and Developmental Medicine
1910 Byrd Ave. Suite 118
P.O. Box 11086
Richmond, VA 23230-1086
804/282-0036

Professional organization concentrating on the latest developments in the treatment of cerebral palsy and developmental medicine.

American Occupational Therapy Association
1383 Piccard Drive
Rockville, MD 20850
301/948-9626

AOTA is a nationwide organization of professionals concerned with all aspects of the occupational therapy field. The organization publishes the American Journal of Occupational Therapy. The AOTA membership includes a special interest section on technology.

ASHA (American Speech-Language-Hearing Association)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700

National association of professional working in speech, language and hearing fields. Membership includes many specialists in augmentative communication. Consumer Affairs Division disperses information, and will provide referrals to certified speech pathologists and audiologists.

Barrier-Free Computer User's Group
Jim Knox
Computer Center User Services
611 Church St., 2nd Floor
Ann Arbor, MI 48104
(313) 763-7634

The Barrier-Free Computer User's Group (BFCUG) holds monthly meetings to view and discuss products for computer users with disabilies, with a focus on visual impairments and learning disabilities. The group is based at the University of Michigan.

D/SNUG
Boston Computer Society
One Center Plaza
Boston, MA 02108
617/367-8080

Disabled/Special Need Users Group of the Boston Computer Society. BCS is a general interest computer users group of the greater Boston area.

Center for Computer Assistance to the Disabled (C-CAD)
617 7th Ave.
Fort Worth, TX 76104
817/870-9082

Non-profit organization that provides computer training and job placement for individuals with disabilities.

Community Health Information Project (CHIP)
Sensory Aids Foundation
399 Sherman Ave.
Suite 12
Palo Alto, CA 94306
415/329-0430

A nonprofit organization which works with clients with visual and hearing impairments. Includes computer-related services and training.

Council for Exceptional Children
1920 Association Drive
Reston, VA 22091-1589
703/620-3660

The major national association of special education teachers, administrators, and university students training to be teachers. Publishes "Exceptional Children" and "Teaching Exceptional Children." Sponsors a Center on Special Education Technology.

Disabled Children's Computer Group (DCCG)
2095 Rose St.
First Floor East
Berkeley, CA 94709
415/841-DCCG

Provides information and training in the area of computer use by school children with disabilities. Members have access to equipment.

Easter Seal Systems
70 E. Lake
Chicago, IL 60601
312/667-8400

This organization sponsors grants for software development for disabled persons, and is developing regional adaptive device centers. Provides education, training, and discounts on selected computer systems.

Georgia Computer Campus
Advanced Technology Development Center
480 Lindbergh Dr. NE
Atlanta, GA 30324
404/894-3972
404/874-8371

Train people with disabilities to use computers, primarily for computer programming and customer service. Also will help graduates find employment.

IBM National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta, GA 30055
(800) 426-2133

Answers questions regarding computer access equipment. Also serves as liaison between IBM Corporation and disability groups.

International Society for Augmentative and Alternative Communication (ISAAC)
P.O. Box 1762
Station R
Toronto, ON M4G 4A3
CANADA
416/421-8377

The purpose of ISAAC is to advance the field of augmentative and alternative communication, to facilitate information exchange, and to focus attention on work in the field. Membership is international. Activities include binennial and regional conferences. Membership includes regular issues of "The ISAAC Bulletin" and reduced rates to ISAAC's official journal "Augmentative and Alternative Communication" and affiliated publications "Communication Outlook" and "Communicating Together."

LIFT, Inc.
350 Pfingsten
Suite 103
North Brook IL 60062
708/835-2181

Not-for-profit contract programming company that identifies, trains, and hires individuals with physical disabilities for major corporations.

Muscular Dystrophy Association
810 7th Avenue
New York, NY 10019
212/586-0808

National assocation of people concerned with muscular dystrophy

National Down Syndrome Congress
1800 Dempster St.
Park Ridge, IL 60068-1146
800/232-6372 (outside Illinois)
312/823-7550

An organization of parents and professionals that provides information on services for persons with Down Syndrome.

National Head Injury Foundation
1140 Connecticut Ave. NW, Suite 812
Washington, DC 20036
202/296-6443

Pursues various information and advocacy activities related to the prevention and treatment of head injuries.

National Information Center For Children and Youth
P.O. Box 1492
Washington, D.C. 20013
703/893-6061

A free information service that assists parents, educators, care-givers, and others in ensuring that children and youth with disabilities have better opportunities.

National PCjr Users Group
P.O. Box 701618
Tulsa OK 74170
918/747-2208

Company which services and sells parts for IBM PCjr computers.

National Spinal Cord Injury Association
600 W. Cummings Pk., Suite 2000
Woburn, MA 01801
301/565-0433

Provides information or referrals for the direct care of persons how are paraplegic or quadriplegic. Publishes a variety of materials for rehabilitation professionals and persons with spinal cord injuries. Local chapters around the country.

Autism Society of America
8601 Georgia Ave., Suite 503
Silver Spring, MD 20910
301/565-0433

National service and advocacy organization for people with autism. Special services are offered on a local level as well as public policy advocacy and information and referral services being offered on a national scale.

PACER Center
4826 Chicago Avenue South
Minneapolis, MN 55417
612/827-2966

PACER provides information, training and assistance to parents of children with disabilities. Advice is offered in the areas of appropriate education and interpretation of legal rights. Information available on computers and other technology.

RESNA
1101 Connecticut Avenue NW, Suite 700
Washington, D. 20036
202/857-1199

An assocation for the advancement of rehabilitation technology. Its membership includes rehabilitation professionals, service providers, researchers, vendors and consumers. Some of RESNA's goals are to promote interaction between the above groups, improve the quality of life for people with disabilities through the application of science and technology, and to influence policy relating to the delivery of technology and services.

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Special Interest Group for Computers and Physically Handicapped
(SIGCAPH)
Association for Computing Machinery
11 West 42nd Street
New York NY 10036
212/869-7440

Special interest group of the ACM. Offers a quarterly publication. For information contact Randy Dipner, Colorado Springs, CO, 719/590-5100.

TASH (The Association for Persons with Severe Handicaps)
7010 Roosevelt Way NE
Seattle, WA 98115
206/523-8446

Offers information on severe-profound disabilities (particularly severe retardation). Maintains an extensive publications department of books and papers regarding persons with severe disabilities. Membership organization with chapters around the country. Publishes journal and newletter.

Computer Assessment and Training Programs for Disabled Individuals

This list contains information on programs and organizations that provide computer-oriented assessment and training for disabled persons, either children or adults, or that assess a person's computer-related skills and recommend adaptations. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

SAGE (Southern Arizona Group Employee)
810 East 47th St.
Suite 108
Tucson, AZ 85711
602/882-6474

Involves basic remediation and rehabilitation, vocational counselling and research on the use of technology with individuals with severe and profound handicaps.

Valpar International Corporation
Box 5767
Tucson, AZ 85703
602/293-1510

Develops assessment equipment used by professionals for working with people with various disabilities. Offers vocational assessment using microcomputers.

Disabled Children's Computer Group
2095 Rose Street
1st Floor East
Berkeley, CA 94709
415/841-DCCG (841-3224)

Offers to loan adaptive software and hardware. Also has adaptive equipment on display with demos available for families and teachers. Services also include a toy lending library, for adaptive toys.

Disabled Programmers, Inc.
151 Martinville Lane
San Jose, CA 95119
408/629-3700

DPI is an organization that trains disabled individuals to become computer programmers.

Educational Technology/Special Schools Program
Orange County Department of Education
P.O. Box 9050
Costa Mesa, CA 92628
714/966-4140

The Educational Technology/Special Schools' overall goal is to provide opportunities for students to learn how to become more independent in their present and future environments, through the use of age-appropriate materials.

Los Angeles Unified School District
15530 Hesby Street
Encino, CA 91436
818/997-2330

Provides microcomputer training to special education students. Computers are adapted to meet individual special needs. Emphasis is on vocational, recreational, and independent living skills.

Colorado Easter Seal Society
Computer Resource Center
5755 West Alameda
Lakewood, CO 80226
303/233-1666

Services offered include training in available adaptive equipment, training on the use of specific adaptive equipment, loan of equipment, and consulting.

Florida Diagnostic Learning Resources Services (FDLRS)
5555 SW 93rd Ave.
Miami, FL 33165
305/274-3501

Offers diagnostics for computer compatibility for disabled people, inservice training, computer information resources, as well as software and hardware evaluation.

LIFT, Inc.
350 Pfingsten
Suite 103
Northbrook, IL 60062
708/835-2181

Offers help and training in hiring individuals with disabilities as computer programmers.

Association of Rehabilitation Programs in Data Processing
P.O. Box 2392
Gaithersburg, MD 20879
301/468-6142

Organization offering training in computers to persons with disabilities nationwide.

Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218
301/554-3000

Provides evaluation of computer applications best suited for enhancing a disabled person's vocation. Acts as a diagnostic resource center in setting disabled students' vocational goals.

Appendix C-4: Computer Assessment and Training Programs for Disabled Individuals

Project CABLE
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158-2597
617/969-6200

Provides computer assessment, computer training on adaptive devices) and software, professional training, resources (on devices), word processing for visually impaired high school students, publications, and career training programs.

Special Needs Center
Duluth Public Library
520 W. Superior Street
Duluth, MN 55802
218/723-3809

Trains persons with disabilities in the use of the Apple IIe computer. Applications include word processing, data base, AppleSoft Basic, Logo, and Adaptive Firmware Card. Product information on software, hardware, and adaptations is available. Also has an adapted toy program.

Project Enhance
Minneapolis Public Schools
Community Education
1006 W. Lake Street
Minneapolis, MN 55408
612/627-2925

Offers beginning computer programming and word processing classes for adults with physically disabilities, as well as beginning computer classes for adults with mental retardation, to reinforce academic skills and independent living skills. Also offers training in technological devices for adults with visual impairments.

Sister Kenny Institute
800 E. 28th Street at Chicago Avenue
Minneapolis, MN 55407
612/863-4420

This organization uses computer programs to provide language and cognitive therapy to adults with neurologic injuries.

Advanced Living Systems/ITD
428 N Lamar
Oxford, MS 38655
601/234-0158

Conducts human factors product and demographic research focusing on needs and abilities of those with physical limitations and the elderly. Operates the Center for Product Research and Development and Laboratory for Efficient and Accessible Design.

Federation of the Handicapped, Inc.
211 W. 14th Street
New York, NY 10011
212/242-9050

The Federation trains individuals with disabilities in word processing and general education topics.

STORER Computer Access Center
Cleveland Sight Center
1909 E. 101st Street
Cleveland, OH 44106
216/791-8118

Offers orientation, evaluation, training, engineering support and system rental to blind or visually impaired individuals. Goals are to expand access to educational and vocational opportunities through computer and print access technology. Also provides training for instructors, engineers and vocational specialists. Offers housing and a full range of rehabilitation services, including a low vision clinic, computer rehabilitation training and job placement.

Compute Able Network
P.O. Box 1706
Portland, OR 97207
503/645-0009

Involved with computer adaptation for people with disabilities, including training.

Variety Club
Warwick Hotel
17th and Locust Streets
Philadelphia, PA 19103
215/735-0803

Run a camp and developmental center for children with special needs, including a direct patient program.

Yankton Area Adjustment Training Center
909 W. 23rd Street
Yankton, SD 57078
605/665-2518

Provides computer-assisted learning on the Apple IIe for area special education students. Focus includes job skills, job readiness skills, math skills, time and money skills, pedestrian safety, motivation, and actual computer job training.

C-CAD (Center for Computer Assistance to the Disabled)
617 7th Ave.
Fort Worth, TX 76104
817/870-9082
817/870-9086 (TDD)

This is a non-profit organization that provides computer training and job placement for persons with disabilities.

Veterans Administration Information Technology Center (ITC)
Veterans Administration Central Office
810 Vermont Avenue
Room 237
Washington, D.C. 20420
202/233-5525

Provides hardware and software consultations, assistance with interfacing adaptive devices to microcomputers, equipment evaluations, and exhibitions of new technologies.

Computers to Help People, Inc.
1221 W. Johnson Street
Madison, WI 53715
608/257-5917

Provides people with disabilities with vocational training in computer operation. Also sells software designed for people with physical disabilities.

Technical Resource Center
200, 1201 - 5th St. SW
Calgary, AB T2R 0Y6
CANADA
403/262-9445

Provides information and one-month loan of devices in the areas of adaptive toys, communication aids, daily living aids, inventory control and microcomputers. It offers assessment and consultation.

Sunny Hill Hospital for Children
3644 Slocan Street
Vancouver, BC V5M 3E8
CANADA
604/434-1331

Offers assessment and training of physically disabled children for access to microcomputers for education, recreation, and communication.

Pearson Society for Assessment and Computer Training
Brian Stride, Director
700 West 57th Avenue
Vancouver, BC CANADA V6P 1S1
604/321-3231

Three main objectives in training people with disabilities: provide assessment of aptitude and compatibility with computers, provide intensive training on the IBM-PC, and teach job search skills and provide employment assistance.

Organizations

This resource list provides information on organizations of interest to disabled persons and those working with them. Particular emphasis has been put on resources that pertain to computer access for people with disabilities. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

HEATH Resource Center
(Higher Education and Adult Training for People with Handicaps)
1 Dupont Circle NW
Washington, DC 20036
202/939-9320
800/54-HEATH

Disseminates information about educational support services, policies, procedures, adaptations, and opportunities for students with disabilities. Prepares and disseminates the HEATH Resource Directory and a newsletter three times a year.

Project IMPART
Mary Brady, Director
UCP of the Capital Area
925 Linda Lane
Camp Hill, PA 17011
717/737-3477

Project IMPART (Individual Mobility and Placement through Applied Rehabilitation Technology) provides evaluations and recommendations to enable persons with disabilities to be independent through the use of technology.

Access Unlimited/SPEECH Enterprises
P.O. Box 7986
Houston, TX 77270
713/781-7441

Information on computer software for individuals with vision impairments.

Computer Users in Speech and Hearing (CUSH)
P.O. Box 2160
Hudson, OH 44236
216/972-6803

CUSH is an organization of speech pathologists and audiologists involved in the application of computer technology in the communication sciences. Information is exchanged through journals and a software lending library.

SEDL/Regional Rehabilitation Exchange
211 E. 7th Street
Austin, TX 78701
512/476-6861

This project identifies exemplary practices and programs. The core area is "High Technology Applications in the Vocational Rehabilitation Process." Technical assistance in this area is provided.

Fairfax County Public Schools
10310 Layton Hall Drive
Fairfax, VA 22030
703/246-7798

Resource center for technology for handicapped students in public schools. Have explored computer applications in the following areas: computer literacy, CAI, communication assistance and vocational training.

East Range Developmental Achievement
800 A Avenue
Eveleth, MN 55734
218/744-5130

An exchange network for information on the use of microcomputers by persons with developmental disabilities.

Easter Seal Children's Center
2030 Towers Ferry Rd., Suite 140
Atlanta, GA 30339
404/633-9609

Offers advice and training for computer access for people with disabilities. Includes diagnostic services for students regarding computers, peripherals and appropriate software.

Easter Seal Communication Institute
250 Ferrand Drive
Don Mills, ON M4G 1R8
CANADA
416/421-8377

Support and educational group involved in the design of computer programs using Blissymbols. Resource center for the use of Blissymbols. Distribute programs using Blissymbols for augmentative communication.

Bureau of Education for Exceptional Students
Florida Bureau of Education for Exceptional Students
Knott Building
Tallahassee, FL 32301
904/488-4245

State Education Agency providing hands-on training for microcomputer use to teachers and students. Acts as a resource center for anyone wanting information regarding technology and students with disabilities.

National Organization on Disability (NOD)
910 16th St. NW
Suite 600
Washington, DC 20006
202/293-5968 (Voice or TDD)

NOD offers information and referral services to all individuals with disabilities. The organization is community-based and supports a national network of disabled people working together for change.

Job Accommodation Network (JAN)
University of West Virginia
809 Allen Hall
P.O. Box 6122
Morgantown, WV 26505-6122
800/526-7234

A service of the President's Committee on Employment of Persons with Disabilities, and operated by the National Institute on Disability and Rehabilitation Research (NIDRR) and the Rehabilitation Services Administration (RSA). Provides a free information system for employers regarding job modifications and accommodations. Includes equipment modifications, site modifications, and redesign of job functions to suit functional limitations.

Florida Diagnostic Learning Resources Services (FDLRS)
5555 SW 93rd Ave.
Miami, FL 33165
305/274-3501

Offers diagnostics for computer compatibility for disabled people, inservice training, computer information resources, as well as software and hardware evaluation.

National Center for Health Statistics
3700 East-West Highway
Hyattsville, MD 20782
301/436-8500

Association for Retarded Citizens (ARC)
Bioengineering Program
2501 Avenue J
Arlington, TX 76006
817/640-0204

Deals with technology related to the needs of people with mental retardation and developmental disabilities. Adapts currently available assistive devices for use by retarded persons; develops new assistive devices when needed; consolidates information on the use of technical aids into technology resource library.

National Clearinghouse of Rehabilitation Training Materials (NCRTM)
Oklahoma State University
816 West 6th St.
Stillwater, OK 74078
405/624-7650

Provides information on rehabilitation with primary emphasis on training materials for use by educators or disabled persons or counselors. Serves as national archive for such training materials. Publishes the NCHRTM Memo (quarterly) to help disseminate information.

Research and Training Center
Stout Vocational Rehabilitation Institute
School of Education & Human Services
University of Wisconsin-Stout
Menomonie, WI 54751
715/232-1389

Vocational evaluation and work adjustment; collects, develops, and disseminates information and materials on vocational evaluation and work adjustment, including the use of technology.

Mill Neck Foundation, Inc.
P.O. Box 100, Frost Mill Road
Mill Neck, NY 11765
516/922-3880

Telecommunication van designed as a mobile learning lab and demonstration unit for TDDs. Travels in an interstate area in the northeastern region.

Kinsmen Rehabilitation Foundation of British Columbia
2256 West 12th Avenue
Vancouver, BC V6K 2N5
CANADA
604/736-8841

Information center on resources for persons with physical disabilities. KRIS database includes information on technology, organizations equipment, services publications, suppliers and manufacturers. Kinsman also has a library with an extensive audiovisual collection.

C-CAD (Center for Computer Assistance to the Disabled)
2501 Avenue J
Suite 100
Arlington, TX 76006
817/640-6613

Solicits the donation of computers, peripherals, and software from commercial organizations for placement (donation or on loan) with disabled clients. Maintains computer database of resources of information. Consults and responds to requests for information about special adaptations or modifications to computers for use by the disabled.

The Technical Resource Center
200, 1201 - 5th St. SW
Calgary, AB T2R 0Y6
403/262-9445

Does assessments and provides technical aids to help persons with disabilities better realize educational, vocational, social and independent living potentials. Consults on the selection, operation, and application of aids. Equipment is loaned for trial use and assessment. Educates professionals. Maintains computerized library of information.

AFB National Technology Center
American Foundation for the
Blind, Inc.
15 West 16th Street
New York, NY 10011
212/620-2051

The Center has three components: National Technology Data Base; Evaluations; Research and Development. Provides a resource for blind and visually impaired persons and professionals who work with them.

NTID (National Technical Institute for the Deaf)
1 Lomb Memorial Drive
Rochester, NY 14623
716/475-6400

This organization funded by the U.S. Department of Education is a resource center for technical education for people who are deaf or hearing impaired.

Western Center for Microcomputers in Special Education
1259 El Camino Real
Suite 275
Menlo Park, CA 94025
415/326-6997

Publishes The Catalyst (quarterly). Provides information on computer peripherals for use by people with disabilities.

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Office of Special Education and Rehabilitation
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, CA 95014
408/996-1010

Through this office, Apple works with key education, rehabilitation and advocacy organizations nationwide to identify the computer-related needs of disabled individuals and to assist in the development of responsive programs.

Closing The Gap, Inc.
P.O. Box 68
Henderson, MN 56044
612/248-3294

National conference, workshops and training. Also publishes a newspaper dedicated to the latest in technology for people with disabilities.

DADA (Designing Aids for Disabled Adults)
1024 Dupont Street, Unit 5
Toronto, ON M6H 2A2
CANADA
416/633-4494

Helps to train disabled adults and health care professionals in the use of new and existing technology, researches and develops low-cost technical aids, runs workshops.

P.H.I.R.S.T. LINK
(Physically Handicapped Information Resource Service on Technology)
Kitchener-Waterloo Services for the Physically Disabled
75 King Street South, Suite 7, Lower Concourse
Waterloo, ON N2J 1P2
CANADA
519/885-6640

Provides physically disabled individuals with opportunities for hands-on computer experience and up-to-date information on computers and technical aids or devices.

Arkansas Rehabilitation Research and Training Center in Vocal Rehabilitation
Publications Department
P.O. Box 1358
Hot Springs, AR 71902
501/624-4411

Research reports, reference materials, and training programs, including technology-related services.

TASH (The Association for Persons with Severe Handicaps)
7010 Roosevelt Way NE
Seattle, WA 98115
206/523-8446

Offers information on severe-profound disabilities (particularly severe retardation). Maintains an extensive publications department of books and papers regarding persons with severe disabilities. TASH has chapters across the U.S.

LINC Resources, Inc.
4820 Indianola Ave.
Columbus, OH 43214
614/885-5599
800/772-7372

A market linkage special education project, LINC receives Office of Special Education Program products, evaluates them for commercial and not-for-profit distribution potential, and assists developers in marketing. Examples: "We Are One," a video to increase sensitivity between physically handicapped and nonhandicapped persons; "Education, Career Development and the Physically Disabled"; "It Takes All Parts," a manual of activities for severely disabled and sensory impaired preschoolers; "Yes, You Can! The Severely Communicatively Impaired Child in the Classroom," including 14 videotapes and manual.

National Rehabilitation Information Center (NARIC)
8455 Colesville Road
Suite 935
Silver Spring, MD 20910
301/588-9284
800/34-NARIC

NARIC is a rehabilitation information service research library funded by the National Institute of Disability and Rehabilitation Research, U.S. Department of Education, to provide access to NIDRR and RSA (Rehabilitation Services Administration) funded reports and information on assistive devices, and to disseminate other rehabilitation related information resources.

Project Threshold
Rancho Los Amigos Hospital
7601 East Imperial Highway
500 HUT
Downey CA 90242
213/940-8116

Provides assessments & evaluations for people with physical disabilities, including disabilities resulting from spinal cord injuries.

PAM Assistance Center
Physically Impaired Association of Michigan
601 W. Maple
Lansing MI 48906
800/426-7426 (in Michigan)
517/371-5897

Provides information and technical assistance to people with disabilities and service providers in the selection, development or adaptation of devices.

Center for Special Education Technology
Council for Exceptional Children (CEC)
1920 Association Drive
Reston, VA 22091
703/620-3660
800/873-8255

National information center which gathers and publishes information on technology for children with disabilities.

Clinical Center for the Study of Development and Learning
CB #7255, Biological Sciences Research Center
University of North Carolina at Chapel Hill
Chapel Hill, NC 27514
919/966-5171 (clinic)

National diagnostic & treatment center. Provides evaluations in many areas, including augmentative communication.

Disabled Children's Computer Group (DCCG)
2095 Rose St.
Berkeley, CA 94709
415/841-DCCG

Offers to loan adaptive software and hardware. Also has adaptive equipment on display with demos available for families and teachers. Services also include a toy lending library for adaptive toys. Member of the Alliance for Technology Access, a national network of groups.

RESNA
1101 Connecticut Avenue NW, Suite 700
Washington, D.C. 20036
202/857-1199

An association for the advancement of rehabilitation technology. Its membership includes rehablilitation professionals, service providers, researchers, vendors and consumers. Some of RESNA's goals are to promote interaction between the above groups, improve the quality of life for people with disabilities through the application of science and technology, and to influence policy relating to the delivery of technology and services.

International Society for Augmentative and Alternative Communication (ISAAC)
P.O. Box 1762, Station R
Toronto, ON M4G 4A3
CANADA

This association's purpose is to advance augmentative and alternative communication, exchange information, and focus attention on work that is currently being conducted in the field.

Project ACT
27 Horrabin Hall
Western Illinois University
Macomb, IL 61455
309/298-1072

ACT trains special education teachers in computer applications.

National Information Center for Handicapped Children and Youth
P.O. Box 1492
Washington DC 20013
703/522-3332

Prepares News Digest, Transition Summary, and fact sheets. Responds to information requests and provides names of local resources.

Computer Foundation for Handicapped Children
2645 East Southern A326
Tempe, AZ 85282
602/831-3519

Organization to provide computer programs and computers to needy children and adults whose ability to communicate is either nonexistent or severely limited. A large public domain software collection for Apple II and Commodore computers.

Trace Research and Development Center
1500 Highland Avenue
S-151 Waisman Center
Madison WI 53705
608/262-6966
608/263-5408 (TDD)

The Trace Center is a multidisciplinary research and resource center on technology and disability. The center's chief areas of specialty are communication, control and computer access. Activities include research, product development, creating and distributing information materials, and answering questions from consumers and service providers. Operates a publication service; ask for Reprint Service brochure. Designated as a rehabilitation engineering center by the National Institute on Disability and Rehabilitation Research.

Compute Able Network
P.O. Box 1706
Portland OR 97207
503/644-2940

This organization provides information, training, problem-solving sessions, individual consultations, field testing, market research, conferences, and vendor training--all related to technology and persons with disabilities.

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Service Centers for Augmentative Communication and Computer Access

This list includes basic information on clinical programs that provide services in the areas of computer access for disabled persons and augmentative communication for non-vocal persons. The list is organized by state. Contact particular centers to determine if their services will suit your needs. No recommendations or endorsements are implied by inclusion on this list.

Alabama

Augmentative Communication Service
2430 11th Ave. North
Birmingham, AL 35234
205/251-0165

A full time diagnostic agency specializing in augmentative communication.

Arizona

Upward Foundation
Kathy Sullivan-Orton: Program Director
6306 North Seventh Street
Phoenix, AZ 85014
602/263-0770

Rehabilitation and educational center for children with disabilities. Evaluations done on children with special needs; including augmentative communication.

Arizona Training Program
Auxiliary Communication Assessment
3727 East McDowall Road
Phoenix, AZ 85008
602/375-1403

Accepts referrals and students within Maricopa county schools - especially those with cerebral palsy and developmental disabilities. Services provided in the field of augmentative communication.

Children's Achievement Center for Developmental Delays
3825 East Second Street
Tucson, AZ 85716
602/325-1517

This center is primarily for preschool aged children with neuromuscular and developmental delays. Based on the child's needs an individual program is devised in the areas of physical and occupational therapy, speech and language, and special education.

California

Technical Resource and Activity Center of Stockton
510 Magnolia St.
Stockton, CA 95202
209/948-3971 or 209/948-3805 or 209/948-7707

Provides assistive technology services to appropriately referred individuals who are served by the regional centers.

The Bridge School
545 Eucalyptus Avenue
Hillsborough, CA 94010
415/342-7317

The Bridge School is a non-public school serving the needs of physically challenged, severely speech impaired children who require augmentative communication and adaptive technology. Integrated curriculum serving children 4-7, and 7-15.

Center for Applied Rehabilitation Technology
Rancho Los Amigos Medical Center
7601 East Imperial Highway
Downey, CA 90242
310/940-6800

Evaluation, recommendation, and training in the areas of communication enhancement, computer access, environmental control units, and seating and mobility. Provides a team approach to assessing one or multiple technology needs. Persons of any age and with any physical disability are served.

Assistive Device Center
California State University-Sacramento
650 University Ave., Suite 101B
Sacramento, CA 95825
916/278-6422

A variety of assistive technology services, including augmentative communication. Services include evaluation, fitting of equipment and training. All ages are served by this center.

Speech, Hearing, & Neurosensory Center
Speech-Language Pathology Department
Children's Hospital & Health Center
8001 Frost Street
San Diego, CA 92123
619/576-5837

Speech evaluation for all disorders, oral rehabilitation, and augmentative communication.

Communication/Control Service
Rehabilitation Engineering Center
Children's Hospital at Stanford
725 Welch Road
Palo Alto, CA 94304
415/497-8199 or 415/497-8195

Provides equipment and associated services for people with physical disabilities and/or speech impairments.

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UCLA Intervention Program
23-10 Rehabilitation Center
1000 Veteran Avenue
Los Angeles, CA 90024
213/825-4821

This program works with young children (18 mo. - 5 yrs.) who have either physical or mental disabilities. A team of specialists work in all rehabilitation areas including computer instruction.

Non-Speech Communication Program
Glendale Adventist Medical Center
1509 Wilson Terrace
Glendale, CA 91025
818/409-8023

Services include evaluation, and custom fitting of equipment. All ages are served by this clinic.

Non-Oral Communication Center
9675 Warner Avenue
Fountain Valley, CA 92708
714/964-2014

Non speaking, physically handicapped children are assessed by an interdisciplinary team to determine their language skills, learning style and motor abilities.

Non-Verbal Assessment Program
Los Angeles Unified School District
c/o Widney High School
2302 South Gramercy Place
Los Angeles, CA 90018
213/732-1976

This program serves individuals aged 3 - 21 yrs. A full team of specialists perform evaluations, and fitting and training for equipment.

Rancho Los Amigos Hospital
Communication Disorders Department
7601 East Imperial Highway
Downey, CA 90242
213/940-6800

This department gives evaluations and involves itself with audiology and speech/language therapy. A program called Transition in Living is also offered to ease the shock of clients who underwent therapy.

White Memorial Medical Center
1720 Brooklyn Avenue
Los Angeles, CA 90033-2481
213/268-5000 ext. 1692

Offers diagnostics for speech/language therapy.

SDSU Assistive Device Assessment Program
Clinical Training Center
College of Human Services
San Diego State University
San Diego, CA 92182
619/594-6151

This organization runs tests and makes referrals covering all the bases on physical/mental disabilities and development.

Augmentative Communication and Technology Services (A.C.T.S.)
350 Santa Ana Ave.
San Francisco, CA 94127
415/992-7039 or 415/342-7317

A community-based service delivery model, providing assessment and intervention to children in the San Francisco Bay Area. Also provides training to families, staff and assists school districts in meeting the needs of students using augmentative communication.

Colorado

Communication Enhancement Center
Boulder Memorial Hospital
311 Mapleton
Boulder, CO 80302
303/441-0431

This medical center accepts inpatients and outpatients; deals with disabilities caused through physical injury (i.e. head trauma, stroke, and spinal cord injury).

Fitzsimmons Army Hospital
c/o Speech/Audiology Department
East Colfax Avenue
Aurora, CO 80045-5001
303/361-8241

Provides diagnostic services to all ages. Services include rehabilitation engineering.

Poudre Valley Hospital
1024 Lemay Avenue
Fort Collins, CO 80524
303/482-4111

Provides diagnostic services to all ages.

Connecticut

Adaptive Equipment Center
Newington Children's Hospital
181 East Cedar Street
Newington, CT 06111
203/667-5200

Available for on-site evaluations. Augmentative communication catering mainly to adults. A department specializing in seating and positioning interfaced with adaptive equipment is also offered.

Special Needs Center
130 Hunting Street
Bridgeport, CT 06606
203/334-2118

Special needs center giving on-site evaluations. An under 3 day program and an adult day program are available.

Delaware

Delaware Learning Resource System
Center for Technology
012 Hall Education Building
Newark, DE 19716
302/831-2084

Provides centralized housing and inservice training of diagnostic/prescriptive assistive devices that can be used on site or requested by outlying areas for short term loan. Provides a lending library for hardware and a software preview center.

Florida

Florida Diagnostic Learning Resources Services (FDLRS)
5555 SW 93rd Ave.
Miami, FL 33165
305/274-3501

Offers diagnostics for computer compatibility for people with disabilities, inservice training, computer information resources, as well as software and hardware evaluation. Those individuals who live in the southern or eastern portion of the state can inquire about FDLRS/South or FDLRS/EAST.

Appendix C-6: Service Centers for Augmentative Communication and Computer Access

Communication Systems Evaluation Center
434 Tampa Avenue
Orlando, FL 32805
407/849-3504 or 800/328-3678

State wide center serving students ages 3 - 21 with augmentative communication services.

Idaho-

United Cerebral Palsy of Idaho, Inc.
Augmentative Communication Assessment Center
Boise, ID 83706
208/377-8070

Augmentative communication evaluations for any age client with any physical disability. Also operates a loaning library of developmental toys adapted toys, switches, computer peripherals, commmunication devices, books and videos.

Illinois

Assistive Technology Unit
University Affiliated Program
University of Illinois at Chicago (M/C 627)
1640 W. Roosevelt Rd, Room 412
Chicago, IL 60608-1396
312/413-1555; TDD:312/413-0453

Provides evaluation and fabrication services in home, school, office and manufaturing settings. Services provided in seating, positioning, mobility; environmental control; computer access; and augmentative communication.

Du Page Easter Seal Rosalie Dold Center for Children
830 S. Addison Ave.
Villa Park, IL 60181
708/620-4433

The center specializes in the use of personal computers in therapy with children ages 0 - 3.

Alan J. Brown Center of Alternative Communication & Environmental Control
Rehabilitation Institute of Chicago
345 East Superior Street, Room 980
Chicago, IL 60611
312/908-2556

Center for augmentative communication, offering evaluation and training.

Center for Non-Speech Communication
Gottfreid Speech Association
1535 Lake Cook Road, Suite 100
Northbrook, IL 60062
708/564-9230

Evaluations given; twelve speech/language pathologists on staff. Specialize in various areas including communication aids for non-vocal persons.

State of Illinois Mental Health and Developmental Center,
Rehabilitation Services
c/o Speech/Hearing Dept.
1000 North Main Street
Anna, IL 62906
618/833-5161

Inpatient services only. Screening, evaluations, speech/language therapy, and audiology services.

Center for Communication Disorders Ltd.
18141 Dixie Highway
Homewood, IL 60430
708/799-7520

Evaluations, involvement in assessment, and work with electronic communication aids are part of this center's speech-language pathology services.

Indiana

Rehabilitation Technology Center
615 North Michigan St.
South Bend, IN 46601
219/284-7134

This center works with seating and positioning, augmentative communication, environmental modifications, and computer access. At job/home evaluations given. It also offers ADA consultation.

Rehabilitation Technology Center
6862 Hillsdale Court
Indianapolis, IN 46240
317/845-3408

Provides services in: augmentative communication, seating and positioning, mobility, environmental control, computer access, and home and job site modification. Also provides ADA consultation.

Fort Wayne State Hospital & Training Center
Speech and Hearing Department
4900 St. Joe Road
Ft. Wayne, IN 46835
219/485-7554, ext. 647

This department deals with augmentative communication.

Porter County Special Education Coop.
750 Ransom Road
Valparaiso, IN 46383
219/464-9607

Provides diagnostic evaluations for students in the area of speech and language, including augmentative communication.

Kansas

The Capper Foundation
T.M. Murrell Assistive Technology Center
3500 S.W. 10th Avenue
Topeka, KS 66604-1995
913/272-4060

Provides resource, evaluation, consultation and training services in a number of areas including augmentative communication, computer access, positioning, environmental control, educational technology, recreation and leisure, vocational assistance, and adaptive engineering. Also capable of loaning equipment.

Interdisciplinary Technology Center
2008 Hinch Hall
The University of Kansas Medical Center
39th and Rainbow
Kansas City, KS 66103
913/588-7195

Provides a variety of services within augmentative communication, including evaluations and consultations.

Augmentative Communication Program
Institute of Logopedics
2400 Jardine Drive
Wichita, KS 67219
316/262-8271
800/835-1043

Evaluation and assessment; program includes communication aids.

Kentucky

Redwood School and Rehabilitation Center
71 Orphanage Road
Fort Mitchell, KY 41017
606/331-0880

A diagnostic center serving people with multiple disabilities. Serves preschool through adult.

Louisiana

LSU Medical Center
Louisiana State University
Dept. of Communicative Disorders
New Orleans, LA 70112
504/568-4337 or 504/568-4348

Clinical assessment, evaluations, and therapy are provided in audiology, speech/language services, and augmentative communication.

LSU-MC Children's Center
Louisiana State University Medical Center
3730 Blair Ave.
Shreveport, LA 71103
318/623-2030

Provides augmentative communication services, including evaluation, consultation, and training.

Maryland

United Cerebral Palsy of Central Maryland
Non-Vocal Communication
Delrey Preschool
18 Delrey Avenue
Catonsville, MD 21228
301/744-3151

Evaluations for augmentative communication.

Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218
301/554-3000

Comprehensive vocational rehabilitation center for the deaf and non-vocal; computer access. Center for technology for human disabilities.

Kennedy Institute
707 North Broadway
Baltimore, MD 21205
301/550-9450

Providing assistive technology, diagnostic services, and treatment to ages 0-21 yrs. Also offers dissemination of information.

Massachusetts

Synergy-Adaptive Technology Services
66 Hale Road
East Walpole, MA 02032
508/668-7424

Clinical assessment and evaluation for adaptive equipment. Also offers customization of equipment and training in its use.

Franciscan Children's Hospital and Rehabilitation Center
30 Warren Street
Brighton, MA 02135
617/254-3800

Utilizes and provides instruction in the use of computer-based technology to enhance learning, leisure, communication, prevocational skill development, independent living, and environmental control.

Communication Enhancement Center
Children's Hospital
300 Longwood Avenue
Boston, MA 02115
617/735-6466

Evaluations for augmentative communication and writing sytems. Clients include non-vocal people and those with physical disabilities.

Massachusetts Hospital School
Robert Brockman
Adaptive Design
3 Randolf Street
Canton, MA 02021
617/828-2440

Provide augmentative communication and other adaptive device services to the Hospital School and to other schools in the area.

Non-Speech Communication Program
Speech and Hearing Department
Fernald State School
Box 9108
Belmont, MA 02178
617/894-3600

Coordinated program offering strictly in-house services, including evaluations. No evaluations given for outside populations, but consultation and orientational information is provided.

New England Medical Center, Inc.
Special Equipment Clinic
Box 387
Boston, MA 02111
617/956-5625

Twice monthly this center offers day-long evaluations by a team of specialists in various areas of rehabilitation, including communication, mobility, and seating.

Michigan

Assistive Technology Resource Center
Riley Center
9601 Vine
Allen Park, MI 48101
313/928-0841 or 313/928-0408

This center provides a variety of services in augmentative and alternative communication to the school districts

Communication Enhancement Center
Oakland Schools
2100 Pontiac Lake Road
Waterford, MI 48054
313/858-1901

Augmentative/alternative communication services, including evaluations. Demonstration center for technology and materials.

Mott Children's Health Center
Helene Woody
806 Tauri Place
Flint, MI 48503
313/767-5750

Speech therapy and evaluations for school aged children.

Minnesota

ACCESS
Gillette Children's Hospital
200 East University Avenue
St. Paul, Minnesota 55101
612/291-2848

The ACCESS program provides evaluations and recommendations for augmentative devices. It also offers adaptations to seating and communication equipment as well as trial use of communication devices.

United Cerebral Palsy of Minnesota, Inc.
1821 University Avenue, Suite 223
St. Paul, MN 55104
612/646-7588

No evaluations, but operates a 12 week loan bank of communication equipment for professionals in the area to allow assessment of the appropriateness of a device for a client.

Rum River Special Education Cooperative
430 N.W. Eighth Avenue
Cambridge, MN 55008
612/689-3600

Eight-member school district provides services/consultants for disabled students within three counties. Includes augmentative communication services.

Courage Center
3915 Golden Valley Road
Golden Valley, MN 55422
612/588-0811

Variety of rehabilitation programs for children and adults, including computer access, augmentative communication, speech/language therapy,and occupational and physical therapy. Physiatry services are also available. Evaluations given.

Missouri

The Augmentative Communication Evaluation (ACE) Program
The Children's Mercy Hospital
Twenty-fourth at Gillham Road
Kansas City, MO 64108
816/234-3380

Offers clinical assessment and evaluation for augmentative communication to patients whose speech is temporarily or permanently inadequate to meet their communication needs.

SSM Outpatient Rehab Center
350 Village Square Drive
Hazelwood, MO 63042
314/731-4555 or 800/258-8988 for MO and IL

Provides an augmentative communication clinic for both children and adults who have difficulty verbally communicating.

Adaptive Computer and Communication Technology Program (ACCT)
The Rehabilitation Institute
3011 Baltimore
Kansas City, MO 64108
816/756-2250

Services include, but are not limited to: interdisciplinary team evaluations, technology training, assistance in locating funding, comprehensive reports and information services regarding adaptive equipment.

Jewish Hospital
Occupational Therapy Department
216 S. Kings Highway
St. Louis, MO 63110
314/454-7752

Using microcomputer technology, the Jewish Hospital offers complete assessment and treatment for disabled people. Teaches microcomputer use as a tool for rehabilitation of cognitive and perceptual problems and spinal cord injuries.

Montana

Human Development Center
University of Montana
634 Eddy Avenue
Missoula, MT 59812
406/243-4131

Offers services to any Montanan who is communicatively impaired and who may benefit from augmentative communication evaluation and equipment. Services include augmentative communication assessment, a device lending service and second opinion evaluation for school districts.

Nebraska

Meyer Rehabilitation Institute
Hattie B. Munroe Augmentative Communication Center
University of Nebraska Medical Center
600 South 42nd St.
Omaha, NE 68198-5450
402/559-6460

Provides services relating to augmentative communication, speech and computer access.

Barkley Speech-Language and Hearing Clinic
253 Barkley Memorial Center
University of Nebraska-Lincoln
Lincoln, NE 68583
402/472-5459

Evaluations for augmentative communication; speech/language therapy. Emphasis on academic and psychological concerns. The center mainly accepts local referrals.

New Hampshire

Communication Disorders Program
Crotched Mountain Rehabilitation Center
1 Verney Drive
Greenfield, NH 03047
603/547-3311

Offers services in augmentative communication. Individuals 18-44 with brain injury are served through the Adult Head Injury Program; Children/young adults (ages 6-22) through the Crotched mountain Preparatory School and Rehabilitation Center.

New Jersey

Communication Resource Center
Daly H. Enstrom, PhD.
Manager, Related Services
Office of Education
Department of Human Services
10 Quakerbridge Plaza
CN 700
Trenton, NJ 08625
609/588-3157

This center provides clinical assessment and evaluation for augmentative devices. It also has the ability to loan devices for trial periods.

Cerebral Palsy Association of Middlesex County
Oak Drive, Roosevelt Park
Edison, NJ 08837
201/549-5580

Comprehensive program that operates a private school, adult programs and an infant program. It also offers augmentative communication and seating assessment.

Augmentative Communication Services
Children's Specialized Hospital
150 New Providence Road
Mountainside, NJ 07092-2590
201/233-3720 ext.339

Operates as a component of the Rehabilitation Technology Department. It offers team evaluations to children and adults needing AAC services. Services are available on an inpatient or outpatient basis.

New Mexico

NMSU Speech and Hearing Center
New Mexico State University
Las Cruces, NM 88003
505/646-2402 or 505/646-4313

Speech and hearing center. Performs evaluations for augmentative communication devices.

New York

The Gibraltar A.C.C.
Assistive Communication Center
UCPA of WNY, INC
4635 Union Road
Buffalo, NY 14225
716/633-4448

This center offers services to non-speaking children and adults; including assessment, training, and follow-up. It also acts as a referral to other sources of assistance.

SUNY-Buffalo Department of Occupational Therapy
515 Stockton Kimball Tower
State University of New York-Buffalo
Buffalo, NY 14214
716/831-3141

Provides services to people with physical and cognitive disabilities to enable them to return to work. Includes assessments for computer adaptation.

Assistive Technology Dept.
Enable
1603 Court Street
Syracuse, NY 13208
315/455-7591

Evaluations for augmentative communication and computer access.

Non-Vocal Communication Group of Greater New York
Queen's College
65-30 Kissena Boulevard
Flushing, NY 11367
718/520-7000
718/520-7358

Evaluations for augmentative communication, speech/language therapy,audiology, computer access, and treatment for ALS patients.

North Carolina

Clinical Center for the Study of Development and Learning
University of North Carolina Chapel Hill
Biological Science Center
CB# 7255
Chapel Hill, NC 27599
919/966-5171

This center actively participates in training, clinical programs, research and community services that involve augmentative communication and adaptive devices.

Oregon

Good Samaritan Hospital
1015 N.W. 22nd Avenue
Portland, OR 97210
503/229-7711

Many diagnostic programs offered. Evaluations and computer access.

Pennsylvania

Pennsylvania Assistive Device Center
6340 Flank Drive, Suite 600
Harrisburg, PA 17112
(800)360-7282 (PA only)

Providing information and services for people with physical disabilities. This assistive device center offers equipment for computer access and augmentative communication for students ages 3-21 yrs., in Pennsylvania.

South Dakota

Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
605/336-1840

Serving ages 0-21 yrs., the program offers diagnostic evaluations and services, including augmentative communication. Services are offered as either residential or outpatient/outreach treatment.

Tennessee

University of Tennessee Rehabilitation Engineering Center
682 Court Avenue
Memphis, TN 38163
901/528-6445

Seating and communication aids for people with disabilities.

Texas

Callier Center for Communication Disorders
1966 Inwood Road
Dallas, TX 75235-7798
214/905-3000

Evaluation and therapy for people with speech and language problems. Will perform evaluations for augmentaitve communication devices.

Community Based Services
Education Service Center, Region 20
1314 Hines
San Antonio, TX 78208
512/299-2400

Provide services to school districts on media, data processing, special education and augmentative communication.

The Freedom Center
2219 Babcock Road
San Antonio, TX 78229
(512) 614-7138, 614-1910

Augmentative communication evaluations and training, plus training in other areas such as mobility, self-care, work and leisure.

Washington

Children's Hospital and Medical Center
Speech and Language Services
4800 Sand Point Way NE
Seattle, WA 98105
206/526-2104.

Supplies services relating to augmentative communication for children adolescents Mailing address is P.O. Box C5371, Seattle WA 98105.

Assistive Technology Clinic
Health Sciences Building RJ-30
University of Washington Medical Center 98195
206/543-3674 or 206/534-3134

This clinic offers sevices to adults, including: evaluations, prescriptions for wheelchair seating, mobility and augmentative communication.

Wasington D.C.

National Rehabilitation Hospital
102 Irving St., NW
Washington, DC 20010-2949
202/877-1440

Offers evaluations and treatment to adults with brain injury, stroke, geriatric-related conditions and other neurologic conditions.Services are provided on either an inpatient and outpatient basis.

Wisconsin

West Central Wisconsin Consortium for Enabling Technology
Sacred Heart Hospital
900 W. Clairmont Ave.
Eau Claire, WI 54701
414/839-4154

Provides services in augmentative communication.

Cerebral Palsy, Inc.
2801 South Webster Avenue
Green Bay, WI 54301
414/337-1122

Offers diagnostic assessment in: toys and switches, introductory communication aides, access to adaptive computers and switch interface. Alternative and augmentative communication evaluation and training for all ages and disabilities. Training, education and technical support for families and related professionals.

Augmentative Alternative Communication Clinic
Dept. of Communication Disorders
UW-Eau Claire
Eau Claire, WI 54702-4004
715/836-4186 or 715/836-3980

Clinical assessment and evaluation of individuals with limited ability to speak, write, keyboard, or dial.

Independent Living Program
Curative Rehabilitation Center
2900 Curry Lane
P.O. Box 8027
Green Bay, WI 54308
414/468-1161

Provides services relating to the fitting and positioning of computer access devices to individuals sixteen years of age or older.

Communication Aids and Systems Clinic
S-121 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/263-2522

Clinical assessment and evaluations for all ages of individuals needing communication systems, computers or writing systems.

Trace Center Communication Development Program
S-157 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/263-5527

Provides community based services in augmentative communication for preschool- aged and adult individuals living in Dane county, Wis..

Curative Rehabilitation Center
1000 North 92nd Street
Wauwatosa, WI 53226
414/259-1414

Offers equipment loaning and diagnostic assessment in a variety of areas, including augmentative communication.

Canada

Technical Resource Center
200, 1201 - 5th Street SW
Calgary, AB T2R 0Y6
CANADA
403/262-9445

Provides information and one-month loan of devices in the areas of adaptive toys, communication aids, daily living aids, environmental control, microcomputers and adaptive computer equipment. It offers assessment and consultation.

Sunny Hill Hospital for Children
3644 Slocan Street
Vancouver, BC V5M 3E8
CANADA
604/434-1331

A provincial resource center for children with disabilities, ages 0 to 19 years. Augmentative communication and computer access evaluation and consultation services are provided when appropriate, as a component of a multidisciplinary assessment through the Neuromotor Program.

Bloorview Children's Hospital
25 Buchan Court
Willowdale, ON M2J 4S9
CANADA
416/494-2222

A residential care facility for children and young adults with multiple disabilities. On site clinic for evaluation and prescription of augmentative devices, as well as addressing issues of computer access.

The Hugh MacMillan Rehabilitation Centre
350 Rumsey Road
Toronto, ON M4G 1R8
CANADA
416/425-6220

Special programs of the Rehabilitation Center include assessment for augmentative communication devices. Also operate a microcomputer training program for people with physical disabilities.

The Kinsman Rehabilitation Foundation of British Columbia
Technical Aids Program
2256 West 12th Avenue
Vancouver, BC V6K 2N5
CANADA
604/736-8841

Rehabilitation center with many programs for people with physical disabilities. Evaluation and resource center.

Gorge Road Hospital
63 Gorge Road East
Victoria, BC V9A 1L2
CANADA
604/386-2464

Adult extended care and rehabilitation hospital. Offers speech/language therapy and occupational therapy to disabled adults. Also provides assessment and training for computer access, environmental controls and some augmentative communication.

Technology-Related Assistance for Persons with Disabilities Act: State Programs

These federally funded state programs were created to help people overcome barriers when seeking technology related assistance. Different states have different programs in effect, including such things as support networks, information and demonstration centers, and loan banks.

RESNA
Technical Assistance Project
1101 Connecticut Ave. NW, Suite 700
Washington, DC 20036
(202)857-1199

RESNA is a national association which provides information and technical assistance to state assistive technology programs.

Alaska

Assistive Technologies of Alaska
400 D Street, Suite 230
Anchorage, AK 99501
(907)274-0138

Arkansas

Arkansas Increasing Capabilities Access Network (ICAN)
2201 Brookwood, Suite 117
Little Rock, AR 72202
(501)666-8868

Colorado

Colorado Assistive Technology Project
Rocky Mountain Resource and Training Institute
6355 Ward Road, Suite 310
Arvada, CO 80004
(303)420-2942

Connecticut

Connecticut State Department of Human Resources
Bureau of Rehabilitation Services
1049 Asylum Avenue
Hartford, CT 06105
(203)566-3318

Delaware

Delaware Assistive Technology Initiative
Applied Science and Engineering Laboratories
University of Delaware/A.I. duPont Institute
1600 Rockland Road
Wilmington, DE 19899

Florida

Florida Department of Labor & Employment, Division of Vocational Rehabilitation
Bureau of Client Services, Rehabilitation Engineering Technology
1709-A Mahan Drive
Tallahassee, Fl 32399-0696
(904)488-6210

Georgia

Georgia Assistive Technology Program
Division of Rehabilitation Services
878 Peachtree Street, NE
Room 702
Atlanta, GA 30309
(404)894-7593

Hawaii

HATS (Hawaii Assistive Technology System)
1000 Bishop Street, Suite 302
Honolulu, HI 96813
(808)521-8489

Idaho

Idaho State Program for Technology-Related Assistance for People with Disabilites
University of Idaho
Idaho Center on Developmental Disabilities
Professional Bldg.
129 W. Third St.
Moscow Latah, Idaho 83843
(208)885-6849

Illinois

Illinois Technology-Related Assistance Projectfor Individuals of All Ages with Disabilities
411 East Adams
Springfield, IL 62701
(217)785-7091

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Indiana

Indiana ATTAIN Project
Department of Human Services
402 W. Washington Street, room W453
P.O. Box 7083
Indianapolis, IN 46207-7083
(317)233-3394

Iowa

Iowa Program for Assistive Technology (IPAT)
Iowa University Affiliated Program
University Hospial School
Iowa City, IA 52242
(319)353-6386

Kentucky

Kentucky Assistive Technology Services (KATS) Network
Coordinating Center
427 Versailles Road
Frankfort, NY 40601
(502)564-4665

Louisiana

Louisiana Assistive Technology Project
P.O. Box 3455
Baton Rouge, LA 70821-3455
(504)342-6804 (Voice/TDD)

Maine

Maine CITE Coordinating Center
University of Maine at Augusta
University Heights
Augusta, ME 04330
(207)621-3195 (Voice/TDD)

Maryland

Maryland Technology Assistance Project (TAP)
Governor's Office for Handicapped Individuals
300 W. Lexington Street, Box 10
Baltimore, MD 21201
(301)333-3098

Massachusetts

Massachuesetts Assistive Technology Partnership (MATP) Center
Gardner 529
Children's Hospital
300 Longwood Avenue
Boston, MA 02116
(617)727-5106

Michigan

Michigan Department of Education
Rehabilitation Services
P.O. Box 30010
Lansing, Michigan 48909
(517)373-3391

Minnesota

Minnesota STAR Program
Governor's Advisory Council on Technology for People with Disabilities
300 Centennial Building, 658 Cedar Street
St. Paul, MN 55155
(612)297-1554

Mississippi

Mississippi Project START
Division of Rehabilitation Services
P.O. Box 1698
Jackson, MS 39215-1698
(601)354-6891 (Voice/TDD)

Missouri

Missouri Assistive Technology Project
UMKC, School of Education
5100 Rockhill Road
Kansas City, MO 64110
(816)235-5337

Montana

MonTech
Rural Institute on Disabilities
The University of Montana
52 Corbin Hall
Missoula, MT 59812
(406)243-4597

Nebraska

Nebraska Assistive Technology Project
301 Centennial South
P.O. Box 94987
Lincoln, NE 68509
(402)471-0735 (Voice/TDD)

Nevada

Rehabilitation Division, PRPD
505 East King Street, Room 501
Carson City, NV 89710
(702)885-4440

New Hampshire

New Hampshire Technology Partnership Project
Institute on Disability
#14, Ten Ferry Street
The Concord Center
Concord, New Hampshire 03301
(603)224-0630

New Jersey

New Jersey Department of Labor
Office of the Commissioner
Commissioner Raymond L. Bramucci
Labor Building, CN 110
Trenton, NJ 08625
(609)984-6550

New Mexico

New Mexico Technology-Related Assistance Program (NMTAP)
435 St. Michael Drive, Building D
Santa Fe, NM 87503
(505)827-3533 (Voice/TDD)

New York

New York State Office of Advocate for the Disabled
TRAID Project
One Empire State Plaza, Tenth Floor
Albany, NY 12223-0001
(518)474-2825 (Voice), (518)473-4231 (TDD)

North Carolina

North Carolina Assistive Technology Project
Department of Human Resources
Division of Vocational Rehabilitation Services
1110 Navaho Drive, Suite 101
Raleigh, NC 27609
(919)850-2787

Ohio

Ohio Rehabilitation Services Commission
Division of Public Affairs
400 E. Campus View Blvd.
Columbus, OH 43235-4604
(614)438-1236

Oklahoma

Oklahoma Department of Human Services
Rehabilitation Services Division
DHS, RS #24
P.O. Box 25352
Oklahoma City, OK 73125
(405)424-4311

Oregon

Oregon TALN Project
Department of Human Resources
Vocational Rehabilitation Division
2045 Silverton Road, N.E.
Salem, OR 97310
(503)378-3830 ext 386

Pennsylvania

Pennsylvania's Initiative on Assistive Technology (PIAT)
Temple University of the Commonwealth System of Higher Education
Institute on Disabilities/UAP
13th St. and Cecil B. Moore Ave.
Philadelphia, PA 19122
(215)787-1356

South Carolina

South Carolina Assistive Technology Program
Vocational Rehabilitation Department
P.O. Box 15, 1410-C Boston Avenue
West Columbia, SC 29171-0015
(803)822-5404 (Voice/TDD)

South Dakota

South DakotaDepartment of Human Services
Division of Rehabilitation Services
Kneip Building
700 Governors Dr.
Pierre, SD 57501
(605)773-3195

Tennessee

Tennessee Technology Access Project (TTAP)
Department of Mental Health and Mental Retardation
Doctor's Building - Suite 300
706 Church Street
Nashville, TN 37243-0675
(615)741-7441

Texas

The University of Texas at Austin
UAP of Texas
Department of Special Education
P.O. Box 7726
Austin, TX 78713-7726
(512)471-7621

Utah

Utah Assistive Technology Program
Developmental Center for Handicapped Persons
UMC 6855
Logan, UT 84322-6800
(801)760-1982

Vermont

Vermont Assistive Technology Program
Department of Aging and Disabilities
Agency of Human Services
103 South Main Street, Weeks Building, First Floor
Waterbury, VT 05671-2350

Virginia

Virginia Assistive Technology System (VATS)
Department of Rehabilitative Services
Office of Planning
4901 Fitzhugh Avenue, P.O. Box 11045
Richmond, VA 23230
(804)367-2445

West Virginia

West Virginia Assistive Technology System
Division of Rehabilitation Services
Capital Complex
Charleston, WV 25301
(304)766-4698

Wisconsin

WisTech
Division of Vocational Rehabilitation
P.O.Box 7852
1 W. Wilson Street, Room 950
Madison, WI 53707
(608)267-6720 (Voice), (608)266-9599 (TDD)

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Training Programs in Technology for Special Education

This list contains information on both degree programs and workshops or other training opportunities in the area of computer applications for disabled persons. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

ACTT Curriculum (Activating Children Through Technology)
Carol Schneider & Linda Robinson
27 Horrabin Hall
Western Illinois University
Macomb, IL 61455
309/298-1014

Model demonstration project first funded in 1983 to develop a microcomputer curriculum model for ages birth-6. Program uses computers and special peripherals for environmental control, communication, drawing, writing, teaching and microcomputer application.

Carroll Center for the Blind
770 Centre Street
Newton, MA 02158-2597
617/969-6200

Annual summer training program for special educators (introductions to computers and access devices) and blind teenagers (word processing). Weekend seminars on specific technologies. Quarterly technology fairs. Operate a loan program.

Computer Resource Center
207 N. San Marco Avenue
St. Augustine, FL 32084
904/794-2320

Provides computer training and technical support to teachers of blind students and teachers of deaf students.

Easter Seal Children's Center
Joyce Maddox
2030 Powers Ferry Road
Suite 140
Atlanta, GA 30339
404/980-1744

Offers advice and training for computer use with pre-school children with disabilities. Includes diagnostic services for students regarding computers, peripherals, appropriate software, occupational therapy, physical therapy and speech therapy.

Education Division, Johns Hopkins University
100 Whitehead Hall
Johns Hopkins University
Baltimore, MD 21218
301/338-8273

Johns Hopkins offers both a Masters and a Doctoral program in Special Education Technology. The Education Division conducts research on integrating microcomputers into the special education classroom.

Gallaudet University
800 Florida Avenue NE
Washington, DC 20002
202/651-5114

Master's program in Science in Educational Technology: Special Education/Deafness; special education administration, counselling.

Interdisplinary Augmentative Communication and Technology Training Program (InterACT)
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966

This program allows University of Wisconsin-Madison students to earn a assistive technology specialization with their degrees. Courses in the program are open to students a variety of programs.

Appendix D

Glossary

The glossary includes terminology found in the product descriptions which might be new or unfamiliar to many readers. It does not attempt to be all-inclusive for the field of computer applications in special education and rehabilitation or augmentative communication; rather it serves to clarify possible points of confusion in the ResourceBook.

Abbreviation expansion An abbreviation expansion program allows a person entering text or data on a computer or communication aid to enter a long string of characters (a "macro") by simply typing in one or a few defined characters (the abbreviation). This sytem can save the user typing time and effort.

Applications program Any program that enables the user to accomplish some task using a computer, but not a task relevant only to the computer's operation. For instance, a word processing program would be an applications program, because it enables the user to create, edit and print text. But a program that strictly performs the function of speaking the contents of the computer screen via a speech synthesizer (a "talking screen" program) pertains mainly to the way in which the computer functions, and therefore would not be considered an applications program.

Artificial Larynx An electronic device which generates a tone to replace or enhance lost vocal tone. The tone is transmitted from the device either directly to the user's throat or (via a tube) into the nose or mouth. The user articulates the tone into speech in the normal manner.

ASCII American Standard Code for Information Interchange. A standardized system which assigns letters, numbers, and various other characters each their own code. This allows information to be transferred successfully from one computer or peripheral to another via various interfaces. It is important to note, however, that simply because one device produces ASCII output and another accepts ASCII input does not mean that they will necessarily operate flawlessly with one another.

Authoring Program A program which is designed to aid the user in creating programs suited to different situations. An authoring program for education, for example, might allow several different types of tests to be created, each with its own means of recording and analyzing scores.

Auto-Repeat The feature on computer keyboards which causes a particular character to repeat for as long as its key is depressed. This feature is fairly universal; it usually takes effect after a short delay. Hardware and software systems which disable the auto-repeat function are available for some computers.

Baudot The information exchange code most commonly used by TDDs (Telecommunication Devices for the Deaf). Most TDDs transmit only Baudot, but some offer the option of transmitting ASCII code as well. ASCII is used by computers when they communicate telephonically. The two codes are not compatible.

Buffer A set of memory circuits which are designed to store excess input until it can be accepted, or excess output until it can be sent. A printer, for instance, may have a buffer for storing text which is being sent to it from a computer faster than the printer can physically print it.

Communication aid Any device or system which augments a person's ability to communicate. This term can cover non-electronic devices such as communication boards, or electronic devices such as portable communication systems which allow the user to print and speak typed-in text.

Control, controller Technically these terms may be used for any switch or switch-like device which is used to control some system (computer, wheelchair, etc.) Typically they are applied to devices which incorporate several switches and which control a system in several ways; for example, a joystick used to control a video game.

CP/M Control Program for Microcomputers. An operating system developed by Digital Research, Inc. for a particular family of microprocessors. See operating system.

Cursor The graphic character on a computer screen which indicates the point at which text is being added or edited.

Database A body of information that is stored and manipulated on a computer. A database management program is typically used to enter, edit, store, and manipulate this information.

Digitizer See speech digitizer.

Direct Selection Any technique for selecting choices in which a person points directly to the desired choice. This contrasts with scanning, in which choices are offered sequentially and the user signals when the selection is reached. Methods of direct selection include pointing, pressing various keys on a keyboard, or eye gaze selection. Generally speaking, direct selection methods are faster than other selection techniques. See also scanning.

Disk, Diskette One type of system for storing data in electronic form. The term "hard disk" refers to a large-capacity disk that is permanently installed in a disk drive. "Floppy disk" or "diskette" are terms used to refer to the type of disk that can be removed from the disk drive when not in use. The term "disk" by itself usually refers to a diskette.

Disk Drive The mechanism that spins a disk so that the computer can read it.

DOS Disk Operating System. See operating system.

Emulator A device which imitates the action of another. A terminal emulator, for instance, is a system which is not a terminal per se, but is designed to operate like one.

Encoding A type of technique for increasing the number of selections possible on an electronic communication aid. The user enters an alphanumeric code, and the characters of the code determine which letter, word, phrase, etc. is called up. Thus an electronic communication aid with ten keys might have 1000 possible selections, each formed by pressing some three-key combination. See also levels.

Firmware A program or programs stored in circuitry, rather than in a disk or tape storage system. Optional firmware for microcomputers is often sold as a circuit board (or "card") which fits in one of the several option slots inside the computer. This is not a strictly observed term; any program may be referred to as "software" (see software).

Hardware Any component of an electronic system (such as a computer system) which is tangible; e.g., a computer, a monitor, a disk drive, a printer, etc. This category contrasts with software, which describes those components which consist only of electronic signals; e.g., programs, text files, and other quantities of information that can be stored on a disk or in a computer's memory. Although a program on a floppy disk is commonly referred to as software, technically the disk is hardware and the program on it is software.

Host computer In a computer system where various terminals (or computers connected in a network) are used to send input to a central computer, the central computer is commonly referred to as the host computer. See also terminal.

Input Any information entered into a computer by the user or sent to the computer by another device. See output.

Interface The point at which two electronic devices, such a computer and a printer, communicate with each other. Also, an electrical connector or adaptive device which allows the interface to work properly.

Jack In a male-female electrical connection, the jack is the female connector. See plug.

Keyboard Emulating Interface (KEI) If some device such as a communication aid is to be used as an alternate keyboard for a computer, some system is usually required to allow the two to communicate successfully. A KEI takes the keystrokes from the alternate keyboard and makes them appear to the computer as indistinguishable from keystrokes on the normal keyboard. Some communication aid systems contain a KEI. Others are designed to operate with a standard KEI (one which complies with the standard industry protocol). In the latter case, the aid plugs into the KEI, which plugs into the computer like a ordinary keyboard.

Keyguard A plate which fits over the top of a keyboard and has holes over some or all of the keys. A keyguard can allow the user a place to rest the hands while typing, but primarily it is designed to prevent inadvertent key presses caused by poor motor control or other factors. Key latches, devices which hold down keys such as SHIFT, are commonly available with keyguards, and can facilitate one-finger typing.

Keypad Not strictly defined term, keypad usually refers to any keyboard having significantly fewer keys than a standard typewriter or computer keyboard. Anything called a keypad can also be accurately referred to as a keyboard or part of a keyboard. The term often refers to the special separate set of numeric or cursor keys on some computer keyboards (sometimes called the numeric keypad).

Latching See toggle.

LCD, LED Liquid Crystal Display and Light Emitting Diode. These are types of display systems. LEDs are the type of displays, commonly used on alarm clocks, which glow and come in various colors: red, blue, green, etc. LCD displays are common on calculators, but are gray and do not glow.

Levels A system similar to encoding whereby the number of potential selections on an electronic communication aid can be greater than the number of buttons, keys, or scanning positions it has. The user makes one selection to choose a level; each level then has a different programmed value for each key, button, etc. Levels are sometimes known as "pages."

Light Pen An input device operated by pointing to locations on a computer's video screen. The device resembles a pen, and requires some special program to operate. Commonly used to make selections from menus or to create graphics.

Load To transfer a program from storage in memory (for instance on disk) to a computer's RAM. A program must be loaded in order to be run. See also RAM.

Macro A string of characters triggered by a defined shorter set of characters. See also abbreviation expansion.

Mainframe A term frequently used to distinguish large computer systems from mini- or microcomputers. A mainframe system is often designed to receive input from a number of terminals.

Membrane keyboard A keyboard whose individual keys are located under a flexible surface with no openings in it. The user activates the keys by pressing on the membrane.

Memory A system for storing data (information or programs) electronically. Data may be stored on tapes, on disks, or in circuitry. The two types of memory in the circuitry of a computer are ROM and RAM (see these definitions).

Menu A set of selections presented to the user of a computer or electronic aid, usually on a screen or other electronic display. If a program is called "menu-driven," this usually means that the user can operate it mostly by selecting from menus which the program offers.

Microcomputer An individual computer system that fits on a desk top, such as the type most people purchase for home use; sometimes known as a personal computer. This term contrasts with "mini computer," a larger, more powerful type of computer, generally used by businesses or government agencies. The term "mainframe," is commonly used to describe larger computer systems which accept input from various terminals, and which generally have larger memory and processing capacities.

Microprocessor The heart of a microcomputer system, the microprocessor is the circuitry that actually does the "computing." Any device which contains a microprocessor, even if it is not a computer per se, can be referred to as "microprocessor-based."

Modem A device which can transmit computer data over telephone lines.

Monitor The TV-like device which displays a video image of the data entered on a computer. Commonly referred to simply as the screen, or sometimes the CRT (cathode ray tube).

Operating System The program that allows the various parts of a computer system (the disk, the monitor, printers, etc.) to "talk" to each other. The operating system is usually the first thing "loaded" after a computer is turned on, as most other programs require it in order to run.

Optical character reader (OCR) A device which can optically analyze a printed text, recognize the letters or other characters, and store this information as a computer text file. OCRs are usually limited to recognizing the styles and sizes of type for which they are programmed.

Output Any information produced by a computer or any other device, and sent outward from that device. Output may be sent to another computer, to a peripheral, or to some display system such as a monitor.

Overlay A group of symbols, pictures, words, characters, etc. which are placed over the keyboard of a computer or communication device, or over the display of a communication device. The overlay usually reflects what output will be generated when a key is pressed or a selection is made, but for devices with no output other than the indication that a selection has been made, the symbol itself may serve as the message communicated.

Parallel port One type of interface whereby a computer or communication device is connected to another computer or communication device, or to some peripheral input or output device. The connection is frequently located on the back panel of a microcomputer.

Peripheral Any hardware that is separate from the computer itself: printers, speech synthesizers, disk drives, etc.

Phoneme, phonetic spelling A phoneme is a single discrete unit of sound used in speech. Phonetic spelling uses a character for each phoneme, rather than representing pronunciation indirectly as standard spelling does.

Plug In an electrical connection using a male and a female connector, the plug is the male connector. In this volume, the term plug has been frequently used solely to indicate the size and type of connector, and may refer to a device which is actually outfitted with a jack. See also jack.

Port An input/output connection on a computer. Frequently located on the back panel of microcomputers.

Position Any potentially selectable area in a scanning array; for instance, a 10 x 10 array may have 100 positions. When a position is selected, it is considered a selection. Positions are also known as locations.

Program A series of instructions to a computer. A program is what allows the computer user to execute some task on the computer (see software). Commercially available programs are frequently sold stored on disks, but programs may also be written directly on a computer or purchased in firmware form (see firmware).

RAM Random Access Memory. This is the type of memory in a computer where data is placed while it is in use. A program on a disk, for instance, is loaded into the computer's RAM before being run. RAM is cleared when a computer is shut off, however, and so the program must be stored again after being used. Computers are often described in terms of their RAM capacity: a "128K" computer has a RAM capacity of approximately 128,000 bytes (characters) of information. See also disk, memory, ROM.

Refreshable braille display Also known as a dynamic braille display, this type of system uses a set of braille cells, each consisting of six or eight retractable electronically operated reeds. An electronic code sent to the system raises and lowers the reeds to form braille characters which the user can sense by placing the fingers on top of the display. When the display is full, the first cell recomposes itself and the display fills up again. Some displays also scroll.

ROM Read Only Memory. This is permanent memory built into a computer's circuitry by the manufacturer. See RAM.

RS-232 An interface standard for the serial port of a computer or microprocessor-based communication device. Serial ASCII code can be sent via an RS-232 interface.

Scanning A technique for making selections on a communication aid, computer, or environmental control system. Scanning involves moving sequentially through a given set of choices, and making a selection when the desired position is reached. Common physical forms for scanning arrays are menus on a computer screen, grids of squares with lights which light sequentially, and dial faces (like clocks) with pointers which revolve to point to symbols. Types of scanning include automatic, manual, row-and-column, and directed. In automatic scanning, the system scans automatically once started, and the user activates a switch momentarily to stop the scanning. Once stopped, the scanning sequence must be recommenced by another switch. In manual scanning, the user activates a switch continuously to scan the choices, releasing the switch to stop. In row-and-column scanning, the user selects first the row in a grid, then the column. Directed scanning involves using multiple switches or a joystick to scan in the desired direction. See also direct selection.

Semantic compaction A technique for reducing the number of selections a user must make to generate a phrase on a voice-output communication aid. Symbols for semantic units are used rather than number or letter codes (see encoding).

Serial port One type of interface for communication between a computer or electronic communication aid and another computer, electronic communication aid, or peripheral. The fact that two devices both have a serial port, however, does not automatically mean that information can be transferred between them flawlessly.

Software The part of a computer system which is not tangible, that is the programs or information that are processed by a computer or stored in memory. Commercially available software is usually sold in the form of a program or programs stored on a disk. See firmware, hardware, program, disk.

Speech digitizer A device which analyzes speech and converts particular sounds or utterances into digital patterns which can be stored just as other data is stored on a computer. These digital patterns can also be reconverted into their original sounds, allowing the computer to act as a digital "tape recorder." Speech digitization is also used in voice recognition systems. See speech synthesizer, voice recognition.

Speech recognition See voice recognition.

Speech synthesizer In contrast to the speech digitizer, which records and plays back what it "hears," the speech synthesizer receives input in the form of electronic text characters (letters, numbers, punctuation), and converts the discrete characters or words into artificial speech. Most speech synthesizers have a memory and processing system that applies standard pronunciation rules to determine the correct pronunciation. Synthesizers tend to sound more mechanical than digitizers; on the other hand they do not require that each and every phrase to be spoken be recorded beforehand, and they tend to use less memory storage space.

Spreadsheet A type of applications program that is designed for adding, editing, and manipulating tabulated information.

Synthesizer See speech synthesizer.

Talking screen program A program which speaks the contents of the computer's screen via a speech synthesizer. Such a program is usually also equipped with a system that allows the user to "navigate," or find his way around the screen, without the necessity of seeing the screen.

TDD Telecommunication Device for the Deaf. A device which allows a person to transmit typed-in messages over phone lines. Most TDDs have a keyboard for sending messages and an electronic display and/or printer for receiving them. In most cases, people on both ends of the line must have a TDD in order to communicate. TDDs transmit a standard code (see Baudot).

Terminal A device for entering data on the type of computer system which accepts data from more than one source at a time. The typical terminal has a keyboard for entering data and a screen for reviewing the data entered. A terminal does not process information in itself, but sends it on to the host computer system.

Toggle A switching action wherein the switch is turned on with one motion, off with another. Contrasts with momentary contact, wherein a switch remains on or off only while it is being activated by the user, reverting to its "normal" state (either on or off) as soon as it is no longer being activated. A common toggle switch is a wall switch for a light. This action can also be known as latching.

Touch Pad, Touch Screen Devices which allow a person to generate input to a computer by pressing on their surface. A touch pad is usually a continuous membrane surface divided into areas, each of which generates a different input (a character, command, etc.). A touch screen fits over the standard computer screen, and functions similar to a touch pad. Touch pads and screens are frequently used to make selections from menus or to create graphics.

Transparent Usable with all or an entire major class of software. This term is usually applied to a program or device which is usable with nearly all software appropriate to the computer system for which the program or device is designed. One should never assume that a device or program is absolutely transparent to all software without checking with the manufacturer.

Voice Recognition A technique used to recognize certain spoken utterances. A voice recognition system is "trained" to recognize an utterance by digitally encoding it once or several times (see speech digitizer). Thereafter when the system "hears" a phrase spoken, it compares it to the patterns for the utterances it has "heard" before, and matches it to one. All utterances to be recognized must be individually trained, and due to present limits on the technology, the maximum length of a recognized word or phrase is about two seconds. Voice recognition is commonly used in voice input systems for computers, which send a given input to the computer for each recognized utterance.

Word Processor A type of applications software that is used to enter, edit, manipulate, and format text. In order to be considered a word processing program rather than a simple text entry and editing program, a program should have fairly sophisticated capabilities.

Index 1

Products Listed by Function

This index includes lists of products according to function. Every product in the book with a given function will appear in that list. Within each list products are arranged alphabetically. Following the product name in parentheses are the other functions (as two-letter codes) assigned to that product. A key to all the functions and their two-letter codes is provided on the next page.

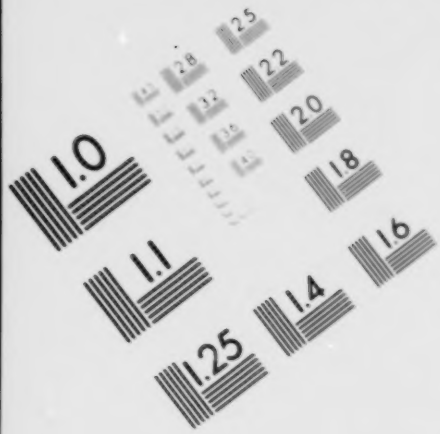
For example, if you were looking for an aid for Conversation/Interaction and wanted to find an aid that could also perform word processing functions you would look through the Conversation/Interaction (CI) function list and note all of those products with the WP (word processing) code. You would then look at the product descriptions for the several entries meeting both of those needs and contact the manufacturers of those devices you felt were most suitable.

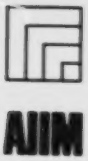
Titles of product lists in this index:

Activities of Daily Living {AD}
Administration and Management {AM}
Alternate Display Systems Usable with All Software {TO}
Alternate Inputs Adaptable for Use with All Software (Transparent With) {TW}
Alternate Inputs Usable with All Software {TI}
Analysis and Reporting Software {AR}
Artificial Larynxes {AL}
Assessment (Evaluation) {AS}
Authoring Programs {AP}
Book/Paper Handling {BP}
Braille {BR}
Braille Printers and Tactile Display Components {BD}
Calculation/Math Aids {CN}
Call, Monitoring, and Memory Systems {CM}
Cognitive Rehabilitation {CR}
Conversation/Interaction {CI}
Database Management/Spreadsheets {DS}
Drawing {DR}
Early Skills (Pre-Reading) {ES}
Education, Training, and Therapy {ET}
Electronic Communication and Writing Aids {EA}
Environmental Controls {EC}
Games {GA}
IEP and IPP {IE}
Input Adapters for Computers {IA}
Input Devices Usable with Only Some Software {ID}
Keyboard Emulating Interfaces (Adapters Only) {KE}
Keyboarding Training Programs {KB}
Keyguards {KG}
Language Therapy/Development {LT}
Large Print Output {LP}
Later Skills (Includes Reading) {LS}
Modifications for Standard Keyboards {KM}
Mouse and Touch Pad Emulation {MT}
Non-Electronic Communication Aids {NA}
Personal Tools or Aids (for Speaking, Writing, Drawing, Controlling, etc.) {PA}
Phone Control/Access {PC}
Pointing and Typing Aids {PT}
Portable Writing {PW}
Recreation {RE}
Robotic Control {RC}
Screen (Display) to Voice {SV}
Signing {SI}
Speech Aids {SA}
Speech Synthesizers {SS}
Speech Therapy (not Language Therapy) {ST}
Telecommunication {TL}
Telecommunication Devices for the Deaf (TDD's) {TD}
Terminal Emulators (Special Only) {TE}
Training and Communication Initiation Aids {TR}
Vocational {VO}
Voice Amplifiers {VA}
Word Processing (Writing) {WP}

Function codes which may appear in parentheses after items in this index:

AD	Activities of Daily Living
AL	Artificial Larynx
AM	Administration or Management
AP	Authoring Program
AR	Analysis or Reporting Software
AS	Assessment (Evaluation)
BD	Braille Printer or Tactile Display Component
BP	Book/Paper Handling
BR	Braille
CI	Conversation/Interaction
CM	Call, Monitoring, or Memory System
CN	Calculation/Math Aid
CR	Cognitive Rehabilitation
DR	Drawing
DS	Database Management/Spreadsheet
EA	Electronic Communication or Writing Aid
EC	Environmental Control
ES	Early Skills (Pre-Reading)
ET	Education, Training, or Therapy
GA	Game
IA	Input Adapter for Computer
ID	Input Device Usable with Only Some Software
IE	IEP or IPP
KB	Keyboarding Training Program
KE	Keyboard Emulating Interface
KG	Keyguard
KM	Modification for Standard Keyboard
LP	Large Print Output
LS	Later Skills (Includes Reading)
LT	Language Therapy/Development
MT	Mouse or Touch Pad Emulation
NA	Non-Electronic Communication Aid
PA	Personal Tool or Aid (for Speaking, Writing, Drawing, Controlling, etc.)
PC	Phone Control/Access
PT	Pointing or Typing Aid
PW	Portable Writing
RC	Robotic Control
RE	Recreation
SA	Speech Aid
SI	Signing
SS	Speech Synthesizer
ST	Speech Therapy (not Language Therapy)
SV	Screen (Display) to Voice
TD	Telecommunication Device for the Deaf (TDD)
TE	Terminal Emulator (Special Only)
TI	Alternate Input Usable with All Software
TL	Telecommunication
TO	Alternate Display System Usable with All Software
TR	Training or Communication Initiation Aid
TW	Alternate Input Adaptable for Use with All Software (Transparent With)
VA	Voice Amplifier
VO	Vocational
WP	Word Processing (Writing)





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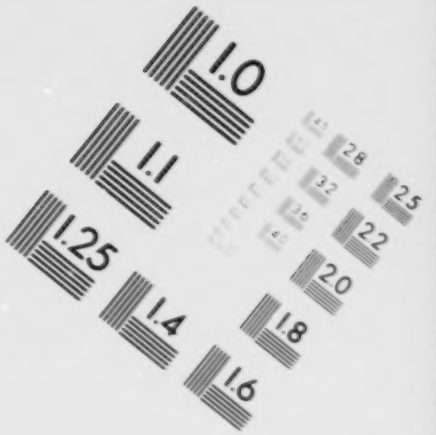

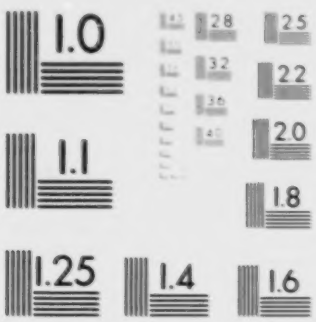

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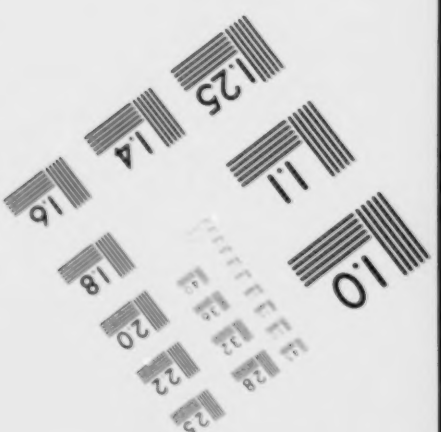

Activities of Daily Living {AD}

Software designed to teach daily living skills. Other software and hardware may be useful in daily living, but not listed here.

Community Signs *(ET,LS,LT), 577*
Employment Signs *(ET,LS,LT), 594*
Grocery Store Words *(ET,LS), 607*
Information Signs *(ET,LS,LT), 613*
Joystick, *164*
Living Alone *(ET), 628*
Mastering Personal Information (MPI) *(CR,ET), 631*
Medical Words *(ET,LS), 634*
Money Box Software *(CN,ET), 638*
Money Skills *(CN,ET,LS), 639*
NeuroPage *(CM,CR), 246*
Ollie and Seymour *(CR,ET), 645*
Paper Dolls I and II *(ES,ET), 648*
PII - Personalized Information for Independence *(AR,CR,ET,LS), 651*
Positive Parenting *(ET), 653*
Safety Signs *(ET,LS,LT), 665*
Survival Words *(AS,ET,LS,LT), 683*
Timekeeper *(ET), 693*
Transportation Signs *(ET,LS,LT), 695*

Administration and Management {AM}

Software that deals with administrative or managerial functions of rehabilitation or special education professionals. Programs must be specifically designed for these purposes. This category includes programs for generating reports (such as IEPs) and programs for analyzing test results. If a program is used directly for assessing students or clients, it is listed under Assessment (AS).

40,000 Selected Words, *489*
AAC Vocabulary Manager (J15), *489*
Ability-Achievement Discrepancy *(AR), 490*
ABS-SE:2 Software Scoring System *(AR), 490*
Access to Math *(CN,ET), 550*
Analytic Learning Disability Assessment (ALDA-EZ) *(AR), 491*
Arlin Test of Formal Reasoning Computer Report *(AR), 491*
Automated IEP System and Professional Goal Banks *(IE), 492*
Bender Report *(AR), 492*
Boardmaker *(NA), 493*
Bobcat *(BR,ET), 493*
CLASS *(AR,IE), 494*
Cognitive Participation Rating Scale (CPRS) *(AS,CR), 494*
Communication Board Builder *(NA), 495*
Compuscore *(AR), 495*
Computer Analysis of Phonological Delations (CAPD) *(AR,ST), 496*
Computerized Adult Aural Rehabilitation *(AR,AS), 496*
Computerized Inventory of Basic Skills (CIBS) *(AR,IE), 497*
Data Digger, *497*
Detroit Tests of Learning Aptitude Revised *(AR), 498*
Diagnostic Articulation Analyzer *(AR), 498*
Diagnostic Report Writer, *499*
Discrepancy Determinator DDI-R, *499*
DPS HELP *(AR,IE), 500*
Dynamic Acoustics *(ET), 500*
Easy Report Writer *(IE), 501*
English on the Job *(AS,ET,VO), 594*
Explorer *(AR), 501*
EZ Pilot for PowerPad *(AP), 502*
EZ-D O T *(VO), 502*
G&O Basic *(IE), 503*
Gateway Authoring System *(AP), 503*
GhostWRITER *(WP), 504*
Goal Digger *(IE), 504*
Goal Rush *(IE), 505*
HESI Software Report System *(AR), 505*
Human Service Information Systems/Fund Accounting, *506*
I.E.P. Entry *(IE), 506*
iepSYSTEM *(IE), 507*
Individual Educational Program *(IE), 507*
KEY Method Worker Rehabilitation System *(AS), 536*
Language Intervention Planner *(AR,LT), 508*
Learning Skills Profile *(AR), 508*
Lesson Editor *(AP), 509*
Marathon, *509*
Math on the Job *(AS,CN,ET,VO), 632*
Model BEP I, II, III, IV, V, VII *(AS), 510*
Multisensory Curriculum *(CN,CR,ES,ET,LT), 641*
OT FACT *(AR,AS), 537*
Parrot Easy Language Sample Analysis (PELSA) *(AR,AS,LT), 510*
PennStar System *(IE), 511*
PEPPER *(AR,ST), 511*
Phonological Process Tutor *(ET,ST), 512*
PICApad II: Report Generator for the PICA *(AR,CR), 512*
Pro-Score Systems, *513*
Pure Tone Simulation *(ET), 513*
R/COM, *514*
Reasoning Skills on the Job *(AS,ET,VO), 662*
Referential Semantic Analysis *(AR,LT), 514*
Rehabilitation Data System *(AR,AS), 515*
Rehabilitation Manager, *515*
SALT (Systematic Analysis of Language Transcripts) *(AR,LT), 516*
Serial Recall: Assessment *(AR,AS,CR), 540*
Sheri *(AR,IE), 516*
Slosson Intelligence Test - Revised Computer Report *(AR), 517*
Spectrum 1 *(AR,VO), 517*
SpeechViewer II *(ET,ST), 678*
Stanford-Binet Computer Report (SB-CR) *(AR), 518*
TALLEY Goals and Objectives Writer *(IE), 518*
Teacher's Pet *(AP), 519*
Test of Early Reading Ability-2 (TERA-2) Scoring System *(AR), 519*
The Logical Choice (TLC), *520*
TOAL-2 Software Scoring System *(AR), 520*
Understanding Decibels *(ET), 521*
UNISTAR II+ *(IE), 521*
Valpar System 2000 *(AS,VO), 522*
Vertex System *(VO), 522*
VOC Report *(AR,VO), 523*
WAIS-Riter "BASIC" *(AR), 523*
WAIS-Riter "Complete" *(AR), 524*
Waveform Display System Model 6091, *524*
Wechsler Adult Intelligence Scale-Revised (WAIS-R) *(AR), 525*
WISC-R Compilation: What To Do Now... *(AR), 525*
WISC-Riter "BASIC" *(AR), 526*
WISC-Riter Complete *(AR), 526*

Alternate Display Systems Usable with All Software {TO}

Special output systems that can be used to supplement, or in place of, the standard computer display (the screen). These output systems provide large print, synthesized voice, or tactile patterns (such as braille) as output. The products included are generally those which (1) provide "transparent" access to standard commercially available software, and (2) provide ongoing changing feedback, such as the screen would provide. Some related function codes are: Large Print (LP), Screen Display to Voice (SV) and Braille (BR).

ALVA Braille Terminals *(BD,BR), 397*
Anti-Glare Magnification Screen *(LP), 397*
Arkenstone Reader *(TI), 301*
Artic Vision *(SV), 398*
ASAP (Automatic Speech Access Program) *(SV), 398*
Avalon Computers *(SV), 399*
Beamscope II *(LP), 399*
BookWise *(TI), 303*
Braille 'n Speak *(BR,PW,SS,SV,TI), 400*
Business FOCUS *(LP), 400*
Business Vision *(SV), 401*
CloseView *(LP), 401*
Compu-Lenz *(LP), 402*
DECtalk PC *(SS), 402*
Elobox *(BR,PW,SV,TI), 403*

Enable Reader Professional Speech System *(SV), 403*
Flipper *(SV), 404*
Freedom 1 *(SV), 404*
Gizmo *(LP,SV), 405*
HandiCHAT and HandiCHAT Deluxe *(SV), 405*
IBM Screen Reader/2 *(SV), 406*
IBM Screen Reader/DOS *(SV), 406*
inLARGE 2.0 *(LP), 407*
inTOUCH, *407*
Isos (Interactive Speech Operating System) *(SV), 408*
JAWS Screenreader *(SV), 408*
Language Master Special Edition *(ET,LP,LS,PA,SV), 409*
LapTalker and LapTalker Plus, *409*
Large Print Display Processor *(LP), 410*
Large-Type Display Utility Software *(LP), 410*
LPDOS (Large Print DOS) *(LP), 411*
LPDOS Deluxe Edition with LP-Windows *(DR,LP), 411*
Magic Keyboard *(LP), 412*
Magnum GT *(LP), 412*
MasterTOUCH *(SV), 413*
Navigator *(BD,BR,PW), 413*
Notex *(BR,PW,WP), 414*
NuVu Models MC1, PS1, and GNK *(LP), 414*
Open Book *(TI), 347*
Optacon II *(BD,LP), 415*
Optacon PC, *415*
OPTEQ V and VFF *(LP), 416*
outSPOKEN 1.7 *(SV), 416*
Panorama *(LP), 417*
Powerama *(LP), 417*
Private Eye, *418*
Protalk *(SV), 418*
ProTERM *(SV,TE), 419*
PROVOX *(SV), 419*
Reading AdvantEdge *(TI), 358*
SCAT (Screen Articulator) *(SV), 420*
SeeBEEP *(PA), 420*
SKERF-Pad *(SV), 421*
Slimware *(SV), 421*
Slimware Window Bridge *(SV), 422*
Soft Vert *(SV), 422*
SoundProof *(SS,SV), 423*
Speaqualizer *(SV), 423*
Tall Talk Prints v. 2 *(LP,SV), 424*
Televox *(PC,SS), 458*
TEXTALKER *(ET,SV), 424*
TinyTalk *(SV), 425*
Twin-Vu *(LP), 425*
Type 'n Speak *(PW,SV), 426*
Vantage CCD *(LP), 426*
Verbal Operating System (VOS) 5.0 and VOS Basic *(KM,SV), 427*
Verbal View *(LP), 427*
VersiColor CCD *(LP), 428*
Vert Plus *(SV), 428*
Vista and Vista 2 *(LP), 429*
Vocal-Eyes *(SV), 429*
ZoomText *(LP), 430*

Alternate Inputs Adaptable for Use with All Software (Transparent With) {TW}

Devices that can serve as an alternate input to computer if they are connected via some special adapter. With the adapter, the alternate input device will be "transparent," that is it will "look" to the computer just like the standard input device (keyboard, mouse, etc.) to which it is equivalent. Some electronic communication aids fall into this category.

DEUCE *(EC,PC), 205*
Equalizer *(CI,DR,EA,PW,RE,TI), 102*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI), 102*
Expanded Membrane Keyboard *(TI), 312*
Light Talker *(CI,EA,EC,PW,TI), 106*
LightBoard *(TI), 332*
RealVoice *(AS,CI,EA,EC,PW,TI), 114*
ScanPAC *(CI,CN,EA,EC,PW,TI), 117*
Touch Talker *(CI,EA,EC,PW,TI), 123*
Unicorn Membrane Keyboards *(TI), 369*
Zygo Model 100 *(CI,EA,ET,PW,TI), 125*
Zygo scanWRITER *(CI,EA,EC,PW,TI), 125*

Alternate Inputs Usable with All Software {TI}

Alternate input systems which provide "transparent" access to a computer. "Alternate input" refers to a special device used as an alternative to the computer's standard input devices, including not only keyboards but also joysticks, mice, etc. "Transparent" means that the special input device can perform any operation that its standard equivalent can perform. See also Alternate Inputs Adaptable for Use with All Software (TW) and Input Devices Usable with Only Some Software (ID). Products are cross-referenced by input type in Index 2.

Access Pack for Microsoft Windows *(IA,KM,MT), 256*
Access-I *(CI,PW), 297*
AccessDOS *(IA,KM,MT), 256*
ADAPTA-LAN *(CI,LP,PC,WP), 297*
Adaptive Firmware Card Model G32e *(IA,KE,KM), 298*
AFC Access: TouchWindow, *298*
AID+Me Programmable Keyboard *(IA,KM,MT), 299*
ALTKEY, *299*
AmTRAC *(MT), 300*
Apple Adjustable Keyboard, *300*
Arkenstone Reader *(TO), 301*
BallPoint Mouse *(MT), 301*
BAT, *302*
Bloorview Miniature Keyboard, *302*
BookWise *(TO), 303*
Braille 'n Speak *(BR,PW,SS,SV,TO), 400*
Breakthru Box, *303*
BUG Voice Command System, *304*
Butler-in-a-Box *(EC,PC), 203*
C-500 Control System *(EC,MT), 304*
Comfort Keyboard System, *305*
Compuvox *(EC), 305*
Concept Keyboard, *306*
DARCI TOO, *306*
DButton for Windows *(MT), 307*
DeskScan 3000, *307*
DocuRead Expert, *308*
DragonDictate *(WP), 308*
DragonWriter-1000, *309*
EDACTS Keyboard *(CI,EC,WP), 309*
EEK, *310*
Elobox *(BR,PW,SV,TO), 403*
Equalizer *(CI,DR,EA,PW,RE,TW), 102*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TW), 102*
Expanded Keyboard for Apple II+ and IIe *(KG), 310*
Expanded Keyboard for Apple Macintosh and Apple IIGS, *311*
Expanded Keyboard for IBM Computers *(KG), 311*
Expanded Keyboards for the Talking BlissApple *(KG), 312*
Expanded Membrane Keyboard *(TW), 312*
Expanded Numeric Keypads, *313*
Expert Mouse *(MT), 313*
Eye Slaved Pointing System *(EC,PC), 314*
Eyegaze Computer System *(EA,EC,PC), 103*
ezMorse, *314*
ezScan, *315*
FastTRAP *(MT), 315*
Felix *(MT), 316*
FreeBoard *(EC,PA), 734*
FreeWheel Head Pointer System, *316*
FreeWheel II Cordless Optical Head Pointer *(MT), 317*
FTG Light Pens *(MT), 317*
Full Access Link, *318*
GEWA FTB 108 Enlarged Keyboard, *318*
GEWA METB 121 Reduced Size Keyboard, *319*
HAL (Home Automation Link) *(EC,PC), 319*

HandiCODE and HandiCODE Deluxe *(SV), 320*
Hands Free Controller *(GA,RE), 320*
Handwriter Recognition System *(MT), 321*
HeadMaster *(MT), 321*
HeadMouse *(MT), 322*
Hearsay Gold, *322*
Help U Key, *323*
Help U Keyboard, *323*
Hybrid Electronic Pointers *(PT), 14*
IBM VoiceType 2, *324*
IntelliKeys Keyboard, *324*
IntroVoice V, *325*
IntroVoice VI *(SS), 325*
InWords, *326*
IRIS Reading Interface *(SV), 326*
K-U-I *(MT), 327*
Ke:nx *(KE,MT), 327*
Ke:nx On:Board (M43), *328*
Kennedy Switch Key Software *(CI,ET), 473*
Key Largo, *328*
Keyport 300, *329*
Keyport 60, *329*
King Keyboard 2440, *330*
Kurzweil 5100, 5200, and 6200 Scanning Systems, *330*
Laser Optic Keyboard *(CI), 331*
LIAISON *(EC,KE,PC), 331*
Liberator *(CI,CN,EA,PW), 106*
Light Talker *(CI,EA,EC,PW,TW), 106*
LightBoard *(TW), 332*
LipStick and WordWriter *(MT), 332*
Lite Touch *(DR,GA,RE), 333*
Macrat, *333*
MacroMaster/pro *(KM), 334*
MacTRAC *(MT), 334*
Magic Wand Keyboard with McKey Mouse Option, *335*
Maltron Keyboard, *335*
Micro IntroVoice *(SS), 336*
MIKE (Mouse Interface & Keyboard Emulation) *(MT), 336*
Mini Keyboard, *337*
Mini Membrane Keyboard, *337*
Mini-Keyboards, *338*
Minimal Motion, *338*
Morse Code WSKE II, *339*
Morsek Version 1.1, *339*
Mouse Emulator *(MT), 340*
Mouse Keys, *340*
MousePen *(MT), 341*
MouseStick II *(MT), 341*
MouseTouch *(MT), 342*
Mouth Operated Joystick for Nintendo *(GA,RE), 342*
MVP Mouse *(MT), 343*
Narwhal Expanded Keyboards for Adaptive Firmware Card, *343*
No-Keys, *344*
NoMouse *(MT), 344*
Omni-Reader, *345*
On-Command, *345*
One Access *(IA), 346*
OneStrk, *346*
Open Book *(TO), 347*
Open Book Unbound, *347*
Optimouse *(MT), 348*
OsCaR, *348*
Paint Box Snap and Paint Box Clear Keys, *349*
PC King Keyboard, *349*
PC Mini Keyboard, *350*
PC Scan 3000 and Personal Scan, *350*
PC-TRAC *(MT), 351*
PC-Voice *(CI,EA,PA,PW), 748*
PC/KPR, *351*
Personal Attendant *(DS,EC,PC,WP), 352*
Personal Reader (KPR), *352*
PhraseIT *(PA), 750*
PKD 84 and 101, *353*
Portable Transaction Voice Computer, *353*
PowerKey Software for IBM, *354*
PowerPad *(DR,RE), 354*
PowerPad Starter Kit, *355*
Pre-Dict-ate, *355*
Proportional Keystroke Scanner, *356*
QUADLynx Trackball *(MT), 356*
Radio Mouse *(MT), 357*
Read-It Pro 4.0/Personal 4.0, *357*
Reading AdvantEdge *(TO), 358*
Reading Edge, *358*
RealVoice *(AS,CI,EA,EC,PW,TW), 114*
Remote Keyboard *(KE), 359*
Remote Keyboard for the Apple II+ and IIe *(DR), 359*
Remote Mouse *(MT), 360*
Revolving Doors *(MT), 360*
Roller Mouse *(MT), 361*
Scan 300/S, *361*
Scanning WSKE II, *362*
ScanPAC *(CI,CN,EA,EC,PW,TW), 117*
ScreenDoors, *362*
SenSei *(EC,PA,PC,TL), 363*
Serial Trackball and PS/2 Trackball *(MT), 363*
Special Needs Tracker Ball & Joystick Module *(MT), 364*
Speech Secretary Systems *(WP), 364*
SpeedScan, *365*
Switchboard *(MT), 365*
SwitchMouse *(MT), 366*
Synergy Computer System *(CI,PW), 366*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,MT), 393*
Talking EyePoint Board *(CI,EA), 122*
Ten Key Board, *367*
Thumbelina *(MT), 367*
Touch Talker *(CI,EA,EC,PW,TW), 123*
Turbo Mouse 4.0 *(MT), 368*
Turbo Trackball *(MT), 368*
Twiddler *(MT), 369*
Unicorn Membrane Keyboards *(TW), 369*
UnMouse *(MT), 370*
Voice Card, *370*
Voice Express, *371*
Voice Master Key System and Key System II *(ID,SS), 371*
Voice Navigator SW and II, *372*
Voicebox, *372*
WiViK (Windows Visual Keyboard), *373*
Zygo Model 100 *(CI,EA,ET,PW,TW), 125*
Zygo scanWRITER *(CI,EA,EC,PW,TW), 125*
Zygo TETRAscan II, *373*

Analysis and Reporting Software {AR}

Testing or assessment programs that have a built-in component for analyzing results and generating reports. Analysis component must be fairly sophisticated.

AAMR Adaptive Behavior Scales: Second Edition Software *(AS), 529*
Ability-Achievement Discrepancy *(AM), 490*
ABS-SE:2 Software Scoring System *(AM), 490*
Analytic Learning Disability Assessment (ALDA-EZ) *(AM), 491*
Arithmetic 1, 2, and 3 with Speech *(CN,ET,LS,SV), 556*
Arlin Test of Formal Reasoning Computer Report *(AM), 491*
Assess *(AS,ET,LS), 529*
Assessment of Intelligibility of Dysarthric Speech *(AS,ST), 530*
Bender Report *(AM), 492*
CARA (Computer Assisted Reading Assessment) *(AS,LS), 531*
CLASS *(AM,IE), 494*
Comprehension Power Program *(ET,LS), 579*
Compuscore *(AM), 495*
Computer Analysis of Phonological Deiations (CAPD) *(AM,ST), 496*
Computer Progs. for Neuropsychological Testing & Rehab. *(CR,ET,LS), 580*
Computerized Adult Aural Rehabilitation *(AM,AS), 496*
Computerized Inventory of Basic Skills (CIBS) *(AM,IE), 497*
CREATE *(AS,CR,ES,ET,LS), 583*
Detroit Tests of Learning Aptitude Revised *(AM), 498*

Developmental Profile II (DP-II) *(AS), 533*
Diagnostic Articulation Analyzer *(AM), 498*
DPS:HELP *(AM,IE), 500*
Embedded Figures Test *(AS), 534*
Explorer *(AM), 501*
Fingerspeller and Fingernumbers *(AS,ET,SI), 598*
Following Directions: One- and Two-Level Commands *(ES,ET), 602*
Foundations I *(CR,ES,ET), 603*
Foundations II *(CR,ES,ET), 603*
Handi-Keys *(AS,KM), 265*
HESI Software Report System *(AM), 505*
Holidays *(CR,ET,LS,LT), 609*
IBM THINKable/2 *(CR,ET), 611*
Job Search and Local Job Bank *(AS,VO), 535*
Language Intervention Planner *(AM,LT), 508*
Learning Skills Profile *(AM), 508*
Minimal Contrast Therapy *(ET,ST), 637*
Mix 'N Match *(ES,ET), 637*
OT FACT *(AM,AS), 537*
Parrot Easy Language Sample Analysis (PELSA) *(AM,AS,LT), 510*
PEPPER *(AM,ST), 511*
PICApad II: Report Generator for the PICA *(AM,CR), 512*
PII - Personalized Information for Independence *(AD,CR,ET,LS), 651*
Process Analysis Version 2.0 *(AS,ST), 537*
Prosody - Voice Screening Profile Software *(AS), 538*
Randt Memory Test *(AS,CR), 539*
Referential Semantic Analysis *(AM,LT), 514*
Rehabilitation Data System *(AM,AS), 515*
SALT (Systematic Analysis of Language Transcripts) *(AM,LT), 516*
Serial Recall: Assessment *(AM,AS,CR), 540*
Sheri *(AM,IE), 516*
Slosson Intelligence Test - Revised Computer Report *(AM), 517*
Spectrum 1 *(AM,VO), 517*
Stanford-Binet Computer Report (SB-CR) *(AM), 518*
Test of Early Reading Ability-2 (TERA-2) Scoring System *(AM), 519*
Test of Language Development-2 (TOLD-2) *(AS), 541*
TOAL-2 Software Scoring System *(AM), 520*
Twenty Categories *(ET,LS), 696*
Video Voice Speech Training System *(ET,ST), 702*
Visi-Pitch Model 6095/6097 *(ET,ST), 702*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AS,CR,ES,ET), 543*
Visuospatial Skills I *(CR,ET), 703*
Visuospatial Skills II *(CR,ET), 704*
VOC Report *(AM,VO), 523*
WAIS-Riter "BASIC" *(AM), 523*
WAIS-Riter "Complete" *(AM), 524*
Wechsler Adult Intelligence Scale-Revised (WAIS-R) *(AM), 525*
WISC-R Compilation: What To Do Now... *(AM), 525*
WISC-Riter "BASIC" *(AM), 526*
WISC-Riter Complete *(AM), 526*

Artificial Larynxes {AL}

Products that produce artificial vocalization (vocal tone) in the throat or mouth in order to allow oral speech.

Cooper-Rand Electronic Speech Aid *(SA), 3*
Electronic Artificial Larynx *(SA), 4*
Neovox *(SA), 5*
SERVOX Inton *(SA), 6*
SPKR *(SA), 7*
Tokyo Artificial Larynx *(SA), 7*

Assessment (Evaluation) {AS}

Products (not limited to computer hardware or software) which are designed to be assessment or evaluation tools. This designation is based upon the manufacturer's description; other products may be useful for assessment that are not so coded.

90-A Timer and CTR-1 Counter *(EC,ET,TR), 21*
AAMR Adaptive Behavior Scales: Second Edition Software *(AR), 529*
Ability Switch Tester *(ET,TR), 21*
Active Stimulation Programmer *(EC,ET,TR), 22*
Active Therapy System (ACTS) *(EC,ET,TR), 551*
Activity Board *(EC,TR), 23*
Adventures of Jimmy Jumper - Prepositions *(ES,ET,LT), 552*
And Or Box *(TR), 24*
Anivox Computer Speech System *(ET,ST), 553*
Apple Demo Disk *(ET), 555*
Assess *(AR,ET,LS), 529*
Assessment of Intelligibility of Dysarthric Speech *(AR,ST), 530*
Audio Control Unit Model 112 *(TR), 24*
Augmentative Communication Evaluation System (ACES) *(ET), 530*
Battery Adapter *(ET,TR), 25*
Battery Device Adapter *(ET,TR), 25*
Battery Interface *(ET,TR), 26*
Battery Interrupter *(ET,TR), 26*
Beeper *(CM,TR), 238*
Brunswick Hospital Cognitive Assessment & Retraining *(CR,ET), 563*
Buddy's Body *(ES,ET), 563*
Call Bell *(CM,TR), 239*
Call Signal 2 *(CM,TR), 240*
Captain's Log: Cognitive Training System *(CR,ES,ET,LS), 566*
CARA (Computer Assisted Reading Assessment) *(AR,LS), 531*
Career Planning System *(ET), 566*
Catch the Cow *(TR), 531*
Chime Alarm *(CM,TR), 240*
Choice Board *(ET,NA), 66*
Clock Communicator *(CI,ET,TR), 28*
Cognitive Participation Rating Scale (CPRS) *(AM,CR), 494*
Comboard *(CI,ET,TR), 28*
Communiclock *(CI,ET,TR), 29*
Compartmentalized Communicator *(CI,ET,TR), 29*
Compute-A-Match *(VO), 532*
Computer Activated Environmental Control Unit *(TR), 30*
Computerized Adult Aural Rehabilitation *(AM,AR), 496*
Control Unit Model 102 *(TR), 30*
Control Unit Model 201 *(TR), 31*
Control Without Keyboards *(CI,EA,ET,PA), 98*
Counter Box *(TR), 31*
Counter Module *(ET,TR), 32*
CREATE *(AR,CR,ES,ET,LS), 583*
CSL (Computerized Speech Lab) Model 4300 *(ST), 532*
Delay Timer DT-1 *(EC,ET,TR), 32*
Developmental Profile II (DP-II) *(AR), 533*
Dial Scan *(CI,ET,TR), 33*
DPS:BCP *(AP,ET), 533*
Dual Channel Latching Switch Interface *(EC,ET,TR), 33*
Dual Switch Latch and Timer *(EC,ET,TR), 34*
E-Tran Scanner *(CI,ET,TR), 35*
Embedded Figures Test *(AR), 534*
Emergency Call Alarm *(CM,TR), 242*
English on the Job *(AM,ET,VO), 594*
ERIN (Early Recognition Intervention Network) *(ES,ET), 595*
EvalPAC with RealVoice *(CI,EA,EC,PW,TI,TW), 102*
Evaluate *(KB), 534*
Family Fun *(ES,ET), 596*
Fingerspeller and Fingernumbers *(AR,ET,SI), 598*
Further Adventures of Jimmy Jumper - Perseverance *(ES,ET), 605*
Game Power for Phonics, Plus *(ET,LS), 535*
Handi-Keys *(AR,KM), 265*
Idioms in America *(ET,LS,LT), 612*
Invertor Module *(TR), 36*
Job Readiness Series *(ET,VO), 615*
Job Search and Local Job Bank *(AR,VO), 535*
Join the Circus *(ES,ET), 616*
KEY Method Worker Rehabilitation System *(AM), 536*
Keyboarding for the Physically Handicapped *(ET,KB), 619*
Keypad *(TR), 37*
Keypad Trainer *(TR), 37*
Laryngograph *(ET,ST), 623*
Learn to Scan *(ET), 624*
Lighted Extra Loud Signalling Buzzer *(CM,TR), 244*

Lighted Signalling Buzzer *(CM,TR), 245*
Lighted Vibrating Signalling Buzzer *(ET,TR), 38*
Logo TouchTools for the PowerPad *(ES,ET), 628*
Make It Happen *(ES,ET), 630*
Make It In Time *(ES,ET), 630*
Make It Scan *(ES,ET), 631*
Math on the Job *(AM,CN,ET,VO), 632*
Microcomputer Evaluation of Career Areas (MECA) *(VO), 536*
Model BEP I, II, III, IV, V, VII *(AM), 510*
Motor Training Games *(ET,GA,RE), 716*
Multiswitch Module *(TR), 39*
Nasometer *(ET,ST), 643*
Optimum Resource Reading Program *(ET,LS), 646*
OT FACT *(AM,AR), 537*
Padded Food *(ES,ET), 646*
Parrot Easy Language Sample Analysis (PELSA) *(AM,AR,LT), 510*
Perceptual Motor Trainer *(ET,TR), 41*
Play and Match *(ET,ID,TR), 652*
Practice Communication Cards *(CI,ET,NA), 87*
Primer 83 *(ET,LS), 656*
Process Analysis Version 2.0 *(AR,ST), 537*
Proportional Simulations Disk *(ET), 538*
Prosody - Voice Screening Profile Software *(AR), 538*
Push-On-Push-Off Module *(EC,ET,TR), 42*
Puzzle Switches *(TR), 43*
Quad Talk *(ET,TR), 44*
Rabbit Scanner *(ES,ET), 659*
Randt Memory Test *(AR,CR), 539*
RealVoice *(CI,EA,EC,PW,TI,TW), 114*
Reasoning Skills on the Job *(AM,ET,VO), 662*
Rehabilitation Data System *(AM,AR), 515*
Rhythm Generator *(TR), 44*
Rotary Communication Scanner *(CI,ET,TR), 45*
Run Rabbit Run *(ES,ET), 665*
Say & See *(ET,ST), 539*
Sensimetrics SpeechStation *(ST), 540*
Sequential Scanner *(CI,ET,TR), 46*
Serial Recall: Assessment *(AM,AR,CR), 540*
Serial Recall: Rehearsal *(CR,ET), 669*
Series Adapter *(TR), 47*
Signal Buzzer *(CM,TR), 249*
Single Switch Assessment Program for IBM *(ET,TR), 541*
Sound Match *(ES,ET), 675*
Speller Teller Communicators *(CI,ET,TR), 48*
Steeper Communication/Teaching Aid *(CI,TR), 48*
Survival Words *(AD,ET,LS,LT), 683*
Switch Latch *(EC,ET,TR), 49*
Switch Latch/Timer *(TR), 50*
Switch Latcher SWL-1 and Double Switch Latcher DSL-2 *(TR), 50*
Symbol Training Display *(ET,TR), 51*
Symbol Writer *(ES,ET,GA), 686*
Talking Touch Window *(CI,ET,TR), 689*
Tape-A-Message Mike and Adapted Tape-A-Message *(ET,PC,TR), 51*
Target *(CI,ET,TR), 690*
Test of Language Development-2 (TOLD-2) *(AR), 541*
Timer Module *(EC,ET,TR), 53*
Tone Switch Box *(ET,TR), 53*
Touch Com *(CI,ET,TR), 542*
Toy Adapter *(TR), 54*
Toy Adapter Cables: CA-9/CA-12/CA-16 *(ET,TR), 54*
Toy Cable *(ET,TR), 55*
Training Aid 2 *(EC,ET,TR), 56*
Tri-Responder *(ET,TR), 56*
Valpar System 2000 *(AM,VO), 522*
Variable Position Scanner *(CI,ET,TR), 57*
Versascan *(CI,ET,TR), 57*
Vibrating Sack *(ET,TR), 58*
Visagraph Eye-Movement Recording System *(ET), 542*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,CR,ES,ET), 543*
Zygo Model 16C-JK *(CI,ET,TR), 60*
Zygo Model 20 *(CI,ET,TR), 60*
Zygo Model 21S *(CI,ET,TR), 61*

Authoring Programs {AP}

Programs designed for creating or modifying other programs. Simple adjustments such as setting skill level on an education program are not sufficient to qualify it as an authoring program.

CrossWords *(ET,GA,LS), 585*
DPS:BCP *(AS,ET), 533*
EZ Pilot for PowerPad *(AM), 502*
Gateway Authoring System *(AM), 503*
Large Character Toolkit *(ET), 623*
Lesson Editor *(AM), 509*
Master Talker *(SY), 475*
Scanning Conversion Program, *481*
Teacher's Pet *(AM), 519*

Book/Paper Handling {BP}

Products which facilitate the handling of books or printed materials. This code refers to the physical handling of such materials.

Automaddak Page Turner *(EC), 200*
Automatic Page Turner *(EC), 201*
Braille Blazer *(BD,BR), 433*
Braillo 200 *(BD,BR), 435*
Braillo 400 S *(BD,BR), 435*
Braillo Comet *(BD,BR), 436*
Easy File Tray, Desk Organizer, Catalog Rack *(EC), 206*
F73216-0136 Page Turner and Cuff *(PT), 12*
Gewa Page Turner *(EC), 211*
H73217 Mouth Held Page Turners *(PT), 13*
Media Handling Products *(EC,PT), 475*
Motorized Easel *(EC), 218*
Mouthsticks *(PT), 16*
Next Page Page Turner *(EC), 218*
Robotic Work Station Attendant *(EC,PC,RC), 223*
Saltus Reader *(EC), 224*
Touch Turner *(EC), 228*
Vacuum Wand *(PT), 16*

Braille {BR}

Devices or software that produce or incorporate braille code. This category is more inclusive than Braille/Tactile Devices (BD).

ALVA Braille Terminals *(BD,TO), 397*
Audio Braille - Six Keys *(ET), 557*
Audio Braille Game Tutorial *(ET,GA,RE), 557*
Auto Braille *(PA), 720*
BEX 3.1 *(LP,PA,SY,WP), 722*
Bobcat *(AM,ET), 493*
Braille 'n Speak *(PW,SS,SY,TI,TO), 400*
Braille Blazer *(BD,BP), 433*
Braille BookMaker and Braille Express *(BD), 433*
Braille Keytop Labels *(KM), 258*
Braille-Labelled Diskettes, *467*
Braille-N-Print *(BD), 434*
Braille-Talk *(PA,SY), 724*
Brailled Keyboard Model--Apple IIe, *468*
Brailled Keyboard Overlay for the Apple IIGS *(KM), 259*
Braillo 200 *(BD,BP), 435*
Braillo 400 S *(BD,BP), 435*
Braillo Comet *(BD,BP), 436*
CHPI Apple Tool Kit *(KM,PA,TL,WP), 725*
ClasX *(PA), 726*
Combination Braille/Large Print Keytop Labels *(KM,LP), 260*
Duxbury Braille Editor (Edgar) *(PA), 728*
Duxbury Braille Translator *(PA), 729*
Elobox *(PW,SY,TI,TO), 403*
High Dots *(KM), 268*
Hot Dots Version 3.01 *(PA), 736*
IBM-VBII *(PA), 736*
InfoTouch *(BD,CI,PC,TD,TL), 129*

Juliet Brailler *(BD), 436*
KeyBraille *(BD), 437*
Learning to Spell Braille Signs *(ET), 626*
Marathon Brailler *(BD), 437*
MathematiX *(CN,PA), 742*
MegaDots *(LP,PA), 743*
Mountbatten Brailler *(BD,PW), 438*
MPRINT *(BD), 438*
NAMES *(PA), 745*
Navigator *(BD,PW,TO), 413*
Notex *(PW,TO,WP), 414*
Ohtsuki BT-5000 Braille/Print Printer *(BD), 439*
PC Braille *(PA), 747*
PC Sift *(PA), 748*
pixCELLS *(DR,PA), 751*
ProBraille *(PA), 752*
Quick Textfile Converter (QTC) *(PA,WP), 753*
Ransley Braille Interface (RBI) *(BD), 440*
Romeo Brailler *(BD), 440*
Thiel Braille Printer BETA X-3 *(BD), 441*
TranscriBEX *(PA,WP), 759*
TurboBraille *(PA), 761*
VersaPoint Graphics *(PA), 764*
VersaPoint-40 Braille Embosser *(BD), 441*
WP Sift *(PA), 768*

Braille Printers and Tactile Display Components {BD}

Devices that have either braille or other tactile output. This category covers both braille printers (also known as embossers) and portable braille "notebooks" with refreshable braille displays. Some of these self-contained braille notebooks can provide braille access to standard commercial software on standard microcomputers. In this case the product would also be listed under "Alternate Outputs Usable with All Software" (TO), above.

ALVA Braille Terminals *(BR,TO), 397*
Braille Blazer *(BP,BR), 433*
Braille BookMaker and Braille Express *(BR), 433*
Braille-N-Print *(BR), 434*
BrailleMate *(PW), 434*
Braillo 200 *(BP,BR), 435*
Braillo 400 S *(BP,BR), 435*
Braillo Comet *(BP,BR), 436*
InfoTouch *(BR,CI,PC,TD,TL), 129*
Juliet Brailler *(BR), 436*
KeyBraille *(BR), 437*
Marathon Brailler *(BR), 437*
Mountbatten Brailler *(BR,PW), 438*
MPRINT *(BR), 438*
Navigator *(BR,PW,TO), 413*
Ohtsuki BT-5000 Braille/Print Printer *(BR), 439*
Optacon II *(LP,TO), 415*
Personal Touch, *439*
Ransley Braille Interface (RBI) *(BR), 440*
Romeo Brailler *(BR), 440*
Thiel Braille Printer BETA X-3 *(BR), 441*
VersaPoint-40 Braille Embosser *(BR), 441*

Calculation/Math Aids {CN}

Products designed to facilitate the user's ability to do calculations or perform mathematical operations. Programs for teaching math will have both this code and the code ET (Education, Training and Therapy).

Academics with Scanning: Math *(ET), 549*
Access to Math *(AM,ET), 550*
Arithmetic 1, 2, and 3 with Speech *(AR,ET,LS,SV), 556*
Calc-Talk *(LP,PA,SV), 724*
COINSNKEYS *(ES,ET,KB), 575*
Computer Aids for the Non-Verbal (50 programs) *(CI,DR,ET,LP,PA,TR), 728*
Early Learning II *(ES,ET), 590*
Early Learning III *(ET,LS), 591*
Edufun *(ET,LS), 592*
Elementary Volume 1 - Mathematics *(ET,LS,SV), 593*
Fun With Math *(ET,SV), 604*
H:2 Handicapped Arithmetic Flash Cards *(ET,LS,RE), 608*
Kennedy Handi-Math Program *(ET,LS), 618*
Keysoft *(PA,SV,WP), 738*
Letter Find *(ES,ET,KB,SV), 627*
Liberator *(CI,EA,PW,TI), 106*
Mac-Apple Communications Aid *(CI,DR,ES,ET,PA,WP), 741*
Math Made Easy *(ET,LS), 632*
Math on the Job *(AM,AS,ET,VO), 632*
Math Scratchpad I *(ET), 633*
Math Scratchpad II *(ET), 633*
MathematiX *(BR,PA), 742*
Money Box Software *(AD,ET), 638*
Money Skills *(AD,ET,LS), 639*
Multisensory Curriculum *(AM,CR,ES,ET,LT), 641*
Public Domain Software *(ES,ET,LS,PA), 658*
ScanPAC *(CI,EA,EC,PW,TI,TW), 117*
Schoolcraft Series Software *(ET,GA), 666*
Smart Shaper I and II *(CR,ES,ET), 674*
Special Skill Builders I & II *(ES,ET), 677*
Spell-A-Word & 2+2 *(ET,LS), 678*
Trace Math Aid *(ET), 695*
Ultimate Banker *(PA,SV), 762*
Voice Math *(ET), 705*
Zygo Talking Notebook II *(CI,EA,PW,WP), 126*

Call, Monitoring, and Memory Systems {CM}

Products which feature the capability to summon assistance, to monitor a person's activities for safety reasons, or to supplement or aid memory.

Able-Switch 500 *(EC), 198*
Able-Switch Model 300 *(EC), 199*
Accularm *(TR), 237*
Auto Call Single Number Dialer *(PC), 237*
Beeper *(AS,TR), 238*
Call Alert Model CA-100 *(PC), 238*
Call Bell *(AS,TR), 239*
Call Light 330/430, *239*
Call Signal 2 *(AS,TR), 240*
Chime Alarm *(AS,TR), 240*
Companion, *241*
E-Z Call, *241*
Emergency Call Alarm *(AS,TR), 242*
EZRA *(CI,EC,PC), 210*
Intercom Unicontrol *(EC), 242*
JANICE Model 100 Invalid Security Alert System, *243*
Lifeline Personal Response System, *243*
LIFEWATCH, *244*
Lighted Extra Loud Signalling Buzzer *(AS,TR), 244*
Lighted Signalling Buzzer *(AS,TR), 245*
Linear Alert ET-1B, *245*
Micro-Alarm and Alert-911, *246*
MicroDEC II *(EC,PC), 217*
NeuroPage *(AD,CR), 246*
Omni Page System, *247*
PA-1 Portable Alarm, *247*
Personal Alert System, *248*
Phone Care Automatic Dialer for the Disabled (ADD), *248*
Portable Typewriters and Handheld Computers *(EA,WP), 113*
Pressure Release Alert *(TR), 249*
RC5000 Radio Home Control System *(EC), 222*
Signal Buzzer *(AS,TR), 249*
SignalMan Control Unit *(PC), 250*
Silent Page System, *250*
Vibra-Call System, *251*
Watchman Master, *251*

Wireless Alerting Systems, *252*

Cognitive Rehabilitation {CR}

Programs designed specifically to be useful in cognitive rehabilitation. This designation is based upon the manufacturer's stated intent in product design.

Antonyms and Synonyms *(ET,LS), 553*
Aphasia Series: I through VIII *(ET,LS), 554*
Association Pictures *(ET), 556*
Auditory Skills Package *(ET), 558*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,ET), 563*
Captain's Log: Cognitive Training System *(AS,ES,ET,LS), 566*
Cognitive Disorders I, II, III, IV *(ET), 569*
Cognitive Drills: Set I (Visual) *(ET,LS), 570*
Cognitive Participation Rating Scale (CPRS) *(AM,AS), 494*
Cognitive Rehabilitation Series *(ET,LS), 570*
Cognitive Software: Visual Tasks *(ET,LS), 571*
Cogrehab Vol. 1 *(ET,LS), 572*
Cogrehab Vol. 2 *(ET,LS), 572*
Cogrehab Vol. 3 Version 2.0 *(ET,LS), 573*
Cogrehab Vol. 4 *(ET,LS), 573*
Cogrehab Vol. 5 *(ET,LS), 574*
Cogrehab Vol. 6 *(ET,LS), 574*
Cogrehab Vol. 7: Quest *(ET,LS), 575*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,ET,LS), 580*
Conceptor *(ET), 581*
Conceptual Skills *(ET), 582*
CREATE *(AR,AS,ES,ET,LS), 583*
First Mate *(ET), 600*
Foundations I *(AR,ES,ET), 603*
Foundations II *(AR,ES,ET), 603*
Function Pictures *(ET), 604*
Hierarchical Attention Training *(ET,LS), 608*
Holidays *(AR,ET,LS,LT), 609*
Homographs *(ET,LS), 609*
Homophones *(ET,LS), 610*
IBM THINKable/2 *(AR,ET), 611*
Inferential Naming for Cognitive and Language Disorders *(ET,LS,LT), 613*
Initial Phoneme Cuing for Aphasics *(ET), 614*
Lingraphica *(CI,EA,PA), 109*
Mastering Personal Information (MPI) *(AD,ET), 631*
Memory I *(ES,ET,LS), 635*
Memory II *(ES,ET,LS), 635*
Multisensory Curriculum *(AM,CN,ES,ET,LT), 641*
NeuroPage *(AD,CM), 246*
Ollie and Seymour *(AD,ET), 645*
PICApad II: Report Generator for the PICA *(AM,AR), 512*
Pictures Programs: I, II and III *(ES,ET,LS), 651*
PII - Personalized Information for Independence *(AD,AR,ET,LS), 651*
Preposition Fill-Ins *(ET), 655*
Problem Solving *(ET), 656*
Program for Aphasics *(ET), 657*
Randt Memory Test *(AR,AS), 539*
Reading Comprehension for Adolescents *(ET), 662*
Rehabilitative Software for Young Adults ... *(ET), 663*
Rhyming Pictures *(ET), 664*
Serial Recall: Assessment *(AM,AR,AS), 540*
Serial Recall: Rehearsal *(AS,ET), 669*
Smart Shaper I and II *(CN,ES,ET), 674*
Soft Tools *(ES,ET,LS,LT), 674*
Special Education Public Domain Software *(ET,LS), 676*
Understanding Attributes *(ET), 697*
Verb Fill-Ins *(ET), 701*
VISPA *(ET), 703*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,AS,ES,ET), 543*
Visuospatial Skills I *(AR,ET), 703*
Visuospatial Skills II *(AR,ET), 704*
Word Memory Programs *(ET,LS), 707*

Conversation/Interaction {CI}

Hardware, software and aids designed to be used for communication on a daily basis. Software-based products will also be coded ET (Education, Training and Therapy) or PA (Personal Tool or Aid). Aids designed mainly for communication training or therapy are coded TR - Training and Communication Initiation (see below).

Access-I *(PW,TI), 297*
ADAPTA-LAN *(LP,PC,TI,WP), 297*
ADDvox II System *(SA,VA), 3*
Apple Programs for the Handicapped *(ET,GA,PA,TR), 555*
Audible Cursor Routine *(PA,TR), 720*
AudScan II *(EA), 97*
Blissymbol Vocabulary Stamps *(ET,NA), 65*
Bradley Board Communication Aid *(NA), 66*
Canon Communicator CC-7S and CC-7P *(EA), 98*
Cleo Communication Board *(NA), 67*
Clock Communicator *(AS,ET,TR), 28*
Comboard *(AS,ET,TR), 28*
Communication Binder *(NA), 67*
Communication Folder *(NA), 68*
Communication Programs *(EC,PA,TR), 727*
Communication Sheets *(ET,NA), 68*
Communiclock *(AS,ET,TR), 29*
Compartmentalized Communicator *(AS,ET,TR), 29*
Computer Aids for the Blind (40 programs) *(ET,LP,PA,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CN,DR,ET,LP,PA,TR), 728*
Control Without Keyboards *(AS,EA,ET,PA), 98*
Core Picture Vocabulary *(ET,NA), 69*
Core Vocabulary *(NA), 69*
Crestalk *(EA), 99*
DAC *(EA,SS); 99*
Dial Scan *(AS,ET,TR), 33*
DigiVox *(EA), 100*
Dual Clock Communicator *(TR), 34*
Dvorak One-Hand Typewriter *(EA,PW), 100*
DynaVox *(EA), 101*
E-Tran Scanner *(AS,ET,TR), 35*
EDACTS Keyboard *(EC,TI,WP), 309*
Electronic Talk Board *(ET,ID,PA,TR), 731*
Equalizer *(DR,EA,PW,RE,TI,TW), 102*
EvalPAC with RealVoice *(AS,EA,EC,PW,TI,TW), 102*
Eye Transfer Communication System *(ET,NA), 70*
Eye-Com *(ET,NA), 70*
Eye-Com Board *(ET,NA), 71*
EZRA *(CM,EC,PC), 210*
Food Kit *(NA), 71*
FreeComm *(EA,PA), 104*
Futura-TDD *(PA,PC,TD,TL), 735*
GEWA Polycom *(EA,PC,PW,TL,WP), 104*
Handy Speech Communication Aide *(EA,SS), 105*
Help Me to Help Myself *(ET,NA), 72*
Help U Type and Speak *(EA,KM,PA), 735*
Holiday Kit *(ET,NA), 73*
I Can Talk *(ES,ET,LT,TR), 611*
Illustrated Menu *(ET,NA), 73*
Individualized Communication Systems *(ET,NA), 74*
InfoTouch *(BD,BR,PC,TD,TL), 129*
Intele-Modem *(TD,TL), 130*
IntelliTalk *(PA), 737*
IntroTalker *(EA,ET,TR), 105*
Kennedy Switch Key Software *(ET,TI), 473*
Laser Optic Keyboard *(TI), 331*
Liberator *(CN,EA,PW,TI), 106*
Life Experiences Communication Kit *(ET,NA), 74*
Light Talker *(EA,EC,PW,TI,TW), 106*
LightWRITER SL30 *(EA), 107*
LightWRITER SL5 *(EA), 107*
LightWRITER SL8 and SL80 *(EA), 108*
LightWRITER SL81 and SL82 *(EA), 108*
Lingraphica *(CR,EA,PA), 109*
Long Wallet *(NA), 75*

LUV 1 *(PC,TD,TL), 130*
Mac-Apple Communications Aid *(CN,DR,ES,ET,PA,WP), 741*
Macaw *(EA), 109*
Macaw-SC *(EA), 110*
Mega-Book *(NA), 75*
MegaWolf *(EA), 110*
Memory Printer MP20D *(PC,TD,TL), 131*
Memory Printer MP20DX *(TD,TL), 131*
Memory Printer Plus *(TD,TL), 132*
Message Maker *(EA,PA), 111*
MessageMate 20 *(EA), 111*
Mid-Sized Communication Book *(NA), 76*
Mini Picture Set *(ET,NA), 76*
Mini Talking Card Reader *(ET,TR), 39*
Minicom IV *(PW,TD,TL), 133*
Minspeak Application Programs (MAP) *(PA), 744*
Multi-Line Dial-A-News System *(PA,TD,TL), 745*
NexCom I *(TD,TL), 133*
Nu-Vue-Cue *(ET,NA), 77*
Oakland Schools Picture Dictionary *(ET,NA), 77*
Object-Picture Talk Board *(NA,TR), 78*
Opticommunicator *(ET,NA), 78*
Parrot *(TR), 40*
Passport Kits *(NA), 79*
Pay Phone TDD *(PC,TD,TL), 134*
Pay Telephone I and II *(PC,TD,TL), 135*
PC-Voice *(EA,PA,PW,TI), 748*
PCS Color Stickers *(NA), 79*
PCS Stamps *(NA), 80*
PEACEbook *(NA), 80*
PEACEKEYPER *(EA,NA,TR), 40*
Peacemaker *(EA,NA,TR), 41*
Personal Communication Terminal (PCT) *(TD,TL), 135*
Phone-TTY CM-4 Computer Modem *(PC,TD,TL), 136*
Pick 'n Stick Color Micros *(NA), 81*
PICSYMS Categorical Dictionary *(ET,NA), 82*
Pictalk *(ES,ET,TR), 649*
Picture Communication Symbols, Books I, II & III *(ET,NA), 83*
Picture Prompt Stickers *(ET,NA), 83*
Pictures, Please! *(ET,NA), 84*
Pocket Book *(ET,NA), 84*
Pocket-Sized and Double Pocket-Sized Communication Book *(NA), 85*
PopComm *(PA,SS), 751*
Porta Book *(NA), 86*
Porta View Model PV20, PV20D, PV20+ *(TD,TL), 136*
Porta-Voice *(EA,PW,WP), 112*
Porta-Voice II *(EA,PW,SS,WP), 112*
Portable Communication Boards *(NA), 86*
Practice Communication Cards *(AS,ET,NA), 87*
Quick Talk *(EA,PA,PC), 113*
RealVoice *(AS,EA,EC,PW,TI,TW), 114*
Rotary Communication Scanner *(AS,ET,TR), 45*
Round Clock Communicator *(TR), 45*
Say It *(EA,PA), 114*
Say-It-All II Plus *(EA,KG,PW), 115*
Say-It-Simply Plus *(EA,ET,TR), 115*
Scan & Speak *(ET,TR), 666*
Scan Com *(EA), 116*
Scan-It-All *(EA,EC), 116*
ScanPAC *(CN,EA,EC,PW,TI,TW), 117*
Scribe *(EA,KG,PW), 117*
Secretary *(PW,TR), 46*
Self-Talk Communication Boards *(NA), 88*
Self-Talk Stickers *(NA), 88*
Sentence-Scan *(EA,ET,PA), 118*
Sequential Scanner *(AS,ET,TR), 46*
SimpleCom I: Yes/No Communication *(ET,TR), 672*
SimpleCom II: Needs/Wants Communication *(ET,TR), 672*
SpeakEasy *(EA), 118*
Special Friend Speech Prosthesis *(EA), 119*
Specialist *(EA,NA,TR), 47*
SpeechWare *(EA,PA), 119*
Speller Teller Communicators *(AS,ET,TR), 48*
Steeper Communication/Teaching Aid *(AS,TR), 48*
Supercom TDD *(PC,TD,TL), 137*
Superprint 100, 200, 400 *(PC,TD,TL), 137*
Superprint ES TDD *(PC,TD,TL), 138*
Switchboard *(EA,ET), 120*
Synergy Computer System *(PW,TI), 366*
System 2000 *(EA), 120*
Talk-O *(EA,TR), 121*
Talker II *(EA,KG,PW), 121*
Talking EyePoint Board *(EA,TI), 122*
Talking Nouns, Talking Nouns II, and Talking Verbs *(ET,TR), 688*
Talking Pictures Communication Board *(ET,NA), 89*
Talking Pictures, Kits I, II, and III *(ET,NA), 89*
Talking Screen *(EA,PA), 122*
Talking Symbols *(EA,PA), 757*
Talking Touch Window *(AS,ET,TR), 689*
Target *(AS,ET,TR), 690*
TDD 2700, 2730, and 2830 *(PC,TD,TL), 138*
TDD Communication Trainer System *(TD,TR), 52*
TE 98 Communicator *(PC,TD,TL), 139*
TeleBraille II *(PC,TD,TL), 140*
TIGER Jr. *(EA,NA,TR), 52*
Touch & Speak *(ET,PA,TR), 759*
Touch 'N Talk Communication Board *(ET,NA), 90*
Touch 'N Talk Communication Notebook *(NA), 90*
Touch 'N Talk Communication Stickers *(ET,NA), 91*
Touch 'N Talk Micros *(ET,NA), 91*
Touch Com *(AS,ET,TR), 542*
Touch Talker *(EA,EC,PW,TI,TW), 123*
Tri-Folder *(NA), 92*
Type & Speak *(PA,SV), 761*
Unipix *(ET,NA), 92*
Variable Position Scanner *(AS,ET,TR), 57*
VCS 3500 with TDD Software *(PA,TD,TL), 763*
Versascan *(AS,ET,TR), 57*
ViewKey *(EA,PA), 765*
VOIS 160 *(EA), 124*
WhisperWolf *(EA), 124*
Write *(ET,LS,SV), 710*
Yes-No Voice Box *(EA,TR), 59*
Zoo Kit *(NA), 93*
Zygo Model 100 *(EA,ET,PW,TI,TW), 125*
Zygo Model 16C-JK *(AS,ET,TR), 60*
Zygo Model 20 *(AS,ET,TR), 60*
Zygo Model 21S *(AS,ET,TR), 61*
Zygo scanWRITER *(EA,EC,PW,TI,TW), 125*
Zygo Talking Notebook II *(CN,EA,PW,WP), 126*

Database Management/Spreadsheets {DS}

Specially adapted hardware or software that provides the user with electronic database or spreadsheet capabilities. An example would be a voice-output spreadsheet program designed for blind computer users. Products which provide special access to many different software programs would not be included here (see "Alternate Inputs Usable with All Software," TI).

BIG for 1-2-3 *(LP,PA), 722*
File-Talk *(PA,SV), 732*
Personal Attendant *(EC,PC,TI,WP), 352*
TouchWindow *(DR,ID,RE,WP), 380*
Ultimate File Cabinet *(PA), 762*

Drawing {DR}

Special hardware or software designed to facilitate a disabled person's ability to draw.

AbiliCad *(ID,PA), 377*
Blazing Paddles *(ET,RE), 561*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,ET,LP,PA,TR), 728*
Electric Crayon and Electric Crayon Deluxe *(ET,RE), 715*

Equalizer *(CI,EA,PW,RE,TI,TW), 102*
KoalaPad+ *(ID), 378*
Leo's 'Lectric Paintbrush *(ET,PA,RE), 740*
Lite Touch *(GA,RE,TI), 333*
LPDOS Deluxe Edition with LP-Windows *(LP,TO), 411*
Mac-Apple Communications Aid *(CI,CN,ES,ET,PA,WP), 741*
MicroIllustrator *(ET,PA,RE), 743*
One-Switch Paintbrush *(PA), 746*
Overlay Express, *478*
Picture Perfect *(PA,RE), 750*
pixCELLS *(BR,PA), 751*
PowerPad *(RE,TI), 354*
Remote Keyboard for the Apple II+ and IIe *(TI), 359*
TouchWindow *(DS,ID,RE,WP), 380*
VoiceCAD *(ID,PA), 380*

Early Skills (Pre-Reading) {ES}

Software designed to teach skills that are pre-reading. "Later Skills" (LS) designates post-reading skills.

Action/Music Play *(ET), 550*
Adventures of Jimmy Jumper - Prepositions *(AS,ET,LT), 552*
Bear Jam *(ET), 559*
BEST Faces *(ET), 559*
Big/Little I and II *(ET), 560*
Body Builder *(ET), 562*
Buddy's Body *(AS,ET), 563*
Bunny Hop *(ET), 564*
Captain's Log: Cognitive Training System *(AS,CR,ET,LS), 566*
Cause 'n Effect *(ET), 567*
Circletime Tales (J65) *(ET), 568*
Cognitive Rehabilitation Software *(ET,LS,LT), 571*
COINSNKEYS *(CN,ET,KB), 575*
Color Find *(ET), 576*
Colors and Shapes *(ET), 577*
Community Vehicles *(ET), 578*
Computer CUP *(ET,LT), 579*
CREATE *(AR,AS,CR,ET,LS), 583*
Dinosaur Game *(ET,GA,TR), 586*
Early Concepts *(ET), 588*
Early Learning 3.5/Complete Early Learning 5.25 *(ET,LS), 589*
Early Learning I *(ET), 590*
Early Learning II *(CN,ET), 590*
Edmark Reading Program, Level 1 Software *(ET,LS), 591*
Eency-Weency Spider Game *(ET), 592*
ERIN (Early Recognition Intervention Network) *(AS,ET), 595*
Exploratory Play *(ET,LT), 595*
Family Fun *(AS,ET), 596*
Fast Food Game *(ET), 597*
Feelings *(ET), 597*
First Categories *(ET,LS,LT), 599*
First Verbs and Primeros Verbos *(ET,LT), 600*
First Words *(ET,LT), 601*
First Words II *(ET,LT), 601*
Following Directions: One- and Two-Level Commands *(AR,ET), 602*
Following Directions: Left and Right *(ET), 602*
Foundations I *(AR,CR,ET), 603*
Foundations II *(AR,CR,ET), 603*
Further Adventures of Jimmy Jumper - Perseverance *(AS,ET), 605*
Geometric Figures and Spatial Concepts *(ET), 606*
I Can Talk *(CI,ET,LT,TR), 611*
If You're Happy and You Know It *(ET), 612*
Interaction Games *(ET,GA,TR), 614*
Interaction Games II *(ET,GA,TR), 615*
Join the Circus *(AS,ET), 616*
JOKUS Software *(ET), 617*
Learning the Alphabet *(ET), 625*
Let's Go Shopping I and II *(ET), 626*
Letter Find *(CN,ET,KB,SV), 627*
Logo TouchTools for the PowerPad *(AS,ET), 628*
Mac-Apple Communications Aid *(CI,CN,DR,ET,PA,WP), 741*
Make It Happen *(AS,ET), 630*
Make It In Time *(AS,ET), 630*
Make It Scan *(AS,ET), 631*
Memory I *(CR,ET,LS), 635*
Memory II *(CR,ET,LS), 635*
Mix 'N Match *(AR,ET), 637*
Multisensory Curriculum *(AM,CN,CR,ET,LT), 641*
Old MacDonald's Farm I and II *(ET,LS), 645*
Padded Food *(AS,ET), 646*
Padded Vehicles *(ET), 647*
Paper Dolls I and II *(AD,ET), 648*
Pictalk *(CI,ET,TR), 649*
Pictures Programs: I, II and III *(CR,ET,LS), 651*
Programs for Early Learning and the Retarded *(ET), 657*
Public Domain Software *(CN,ET,LS,PA), 658*
Rabbit Scanner *(AS,ET), 659*
Reactions (R73) *(ET), 660*
Representational Play *(ET,LT), 663*
Rockets to the Moon *(ET,GA,TR), 664*
Run Rabbit Run *(AS,ET), 665*
Sharon's Programs *(ET,LS), 670*
Silly Sandwich *(ET), 671*
Smart Shaper I and II *(CN,CR,ET), 674*
Soft Tools *(CR,ET,LS,LT), 674*
Song Grid *(ET), 675*
Sound Match *(AS,ET), 675*
Special Skill Builders I & II *(CN,ET), 677*
Start Talking *(LS), 482*
Switch It - Change It *(ET), 684*
Switch It - See It *(ET), 684*
Symbol Writer *(AS,ET,GA), 686*
Tea Party *(ET), 691*
Telling Time, Parts of the Face, Learning Colors *(ET), 692*
This is the Way We Wash Our Face *(ET,TR), 693*
Touch and Match *(ET), 694*
Touch and See *(ET), 694*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,AS,CR,ET), 543*
Wheels On The Bus I, II, and III *(ET,TR), 706*
Where is Puff? *(ET), 706*
Worm Squirm *(ET,TR), 709*
Zoo Time *(ET), 711*

Education, Training, and Therapy {ET}

Application software and software/hardware packages whose primary function is to educate, train, or facilitate therapy. Some related function codes are Assessment (AS), Early Skills (ES), Later Skills (LS), Calculation/Math Aid (CN), Keyboarding Training (KB), Language Therapy and Development (LT), Speech Therapy (ST), Signing (SI) and Cognitive Rehabilitation (CR).

90-A Timer and CTR-1 Counter *(AS,EC,TR), 21*
Ability Switch Tester *(AS,TR), 21*
Academics with Scanning: Language Arts *(LS), 549*
Academics with Scanning: Math *(CN), 549*
Access to Math *(AM,CN), 550*
Action/Music Play *(ES), 550*
Active Stimulation Programmer *(AS,EC,TR), 22*
Active Therapy System (ACTS) *(AS,EC,TR), 551*
Adult Switch Progressions *(TR), 551*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,LT), 552*
AFC: Literacy Setups (C32), *552*
Anivox Computer Speech System *(AS,ST), 553*
Antonyms and Synonyms *(CR,LS), 553*
APH/SEI Talking Software *(LS,SV), 554*
Aphasia Series: I through VIII *(CR,LS), 554*
Apple Demo Disk *(AS), 555*
Apple Programs for the Handicapped *(CI,GA,PA,TR), 555*
Arcademic Skill Builders In Math: Set-Ups for the AFC, *466*
Arithmetic 1, 2, and 3 with Speech *(AR,CN,LS,SV), 556*
Assess *(AR,AS,LS), 529*
Association Pictures *(CR), 556*
Audio Braille - Six Keys *(BR), 557*
Audio Braille Game Tutorial *(BR,GA,RE), 557*
Auditory Skills Package *(CR), 558*

Augmentative Communication Evaluation System (ACES) *(AS), 530*
Babysitting Basics *(VO), 558*
Battery Adapter *(AS,TR), 25*
Battery Device Adapter *(AS,TR), 25*
Battery Interface *(AS,TR), 26*
Battery Interrupter *(AS,TR), 26*
Bear Jam *(ES), 559*
BEST Faces *(ES), 559*
Big Letters *(LP,LS,WP), 560*
Big/Little I and II *(ES), 560*
Blazing Paddles *(DR,RE), 561*
Blissymbol Vocabulary Stamps *(CI,NA), 65*
Blueprint for Decision Making *(LS), 561*
Bobcat *(AM,BR), 493*
Body Builder *(ES), 562*
Bozons' Quest *(GA,LS), 562*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,CR), 563*
Buddy's Body *(AS,ES), 563*
Build-A-Scene, *564*
Bunny Hop *(ES), 564*
CAFET for KIDS *(ST), 565*
CAMEO, *565*
Captain's Log: Cognitive Training System *(AS,CR,ES,LS), 566*
Career Planning System *(AS), 566*
Cause 'n Effect *(ES), 567*
CAV-ASL *(SI), 567*
Children's Switch Progressions, *568*
Choice Board *(AS,NA), 66*
Circletime Tales (J65) *(ES), 568*
Clock Communicator *(AS,CI,TR), 28*
Cloze-Plus Program *(LS), 569*
Cognitive Disorders I, II, III, IV *(CR), 569*
Cognitive Drills: Set I (Visual) *(CR,LS), 570*
Cognitive Rehabilitation Series *(CR,LS), 570*
Cognitive Rehabilitation Software *(ES,LS,LT), 571*
Cognitive Software: Visual Tasks *(CR,LS), 571*
Cogrehab Vol. 1 *(CR,LS), 572*
Cogrehab Vol. 2 *(CR,LS), 572*
Cogrehab Vol. 3 Version 2.0 *(CR,LS), 573*
Cogrehab Vol. 4 *(CR,LS), 573*
Cogrehab Vol. 5 *(CR,LS), 574*
Cogrehab Vol. 6 *(CR,LS), 574*
Cogrehab Vol. 7: Quest *(CR,LS), 575*
COINSNKEYS *(CN,ES,KB), 575*
Color Find *(ES), 576*
Color Track, *576*
Colors and Shapes *(ES), 577*
Comboard *(AS,CI,TR), 28*
Communication Sheets *(CI,NA), 68*
Communiclock *(AS,CI,TR), 29*
Community Signs *(AD,LS,LT), 577*
Community Vehicles *(ES), 578*
Compartmentalized Communicator *(AS,CI,TR), 29*
Complete Spelling Program *(LS), 578*
Comprehension Power Program *(AR,LS), 579*
Computer Aids for the Blind (40 programs) *(CI,LP,PA,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,LP,PA,TR), 728*
Computer CUP *(ES,LT), 579*
Computer Keyboard Switch, *151*
Computer Plate Switch, *152*
Computer Progs. for Neuropsychological Testing & Rehab *(AR,CR,LS), 580*
Computer-Aided Fluency Establishment Trainer (CAFET) *(ST), 580*
CONCENTRATE! On Words & Concepts *(LS,LT), 581*
Conceptor *(CR), 581*
Conceptual Skills *(CR), 582*
Control Without Keyboards *(AS,CI,EA,PA), 98*
Core Picture Vocabulary *(CI,NA), 69*
Core Reading and Vocabulary Development *(LS), 582*
Counter Module *(AS,TR), 32*
CREATE *(AR,AS,CR,ES,LS), 583*
Creature Antics and Creature Capers *(GA,TR), 583*
Creature Chorus *(TR), 584*
Creature Features *(TR), 584*
CrossWords *(AP,GA,LS), 585*
Cue-Write *(LS,LT), 585*
Data Entry *(VO), 586*
Delay Timer DT-1 *(AS,EC,TR), 32*
Dial Scan *(AS,CI,TR), 33*
Dinosaur Game *(ES,GA,TR), 586*
DPS:BCP *(AP,AS), 533*
Dr. Peet's Talk/Writer *(LP,LS,WP), 587*
Drive to Live *(LS), 587*
Dual Channel Latching Switch Interface *(AS,EC,TR), 33*
Dual Switch Latch and Timer *(AS,EC,TR), 34*
Dynamic Acoustics *(AM), 500*
E-Tran Scanner *(AS,CI,TR), 35*
Early and Advanced Switch Games, *588*
Early Concepts *(ES), 588*
Early Emerging Rules Series *(LS,LT), 589*
Early Learning 3.5/Complete Early Learning 5.25 *(ES,LS), 589*
Early Learning I *(ES), 590*
Early Learning II *(CN,ES), 590*
Early Learning III *(CN,LS), 591*
Edmark Reading Program, Level 1 Software *(ES,LS), 591*
Edufun *(CN,LS), 592*
Eency-Weency Spider Game *(ES), 592*
Electric Crayon and Electric Crayon Deluxe *(DR,RE), 715*
Electronic Talk Board *(CI,ID,PA,TR), 731*
Elementary Signer *(SI), 593*
Elementary Volume 1 - Mathematics *(CN,LS,SV), 593*
Employment Signs *(AD,LS,LT), 594*
English on the Job *(AM,AS,VO), 594*
ERIN (Early Recognition Intervention Network) *(AS,ES), 595*
Expanded Keyboards for Speak N' Spell *(EA,TR), 103*
Exploratory Play *(ES,LT), 595*
Eye Transfer Communication System *(CI,NA), 70*
Eye-Com *(CI,NA), 70*
Eye-Com Board *(CI,NA), 71*
Fact File: Brief Facts and Jokes for Reading ... *(LT), 596*
Family Fun *(AS,ES), 596*
Fast Food Game *(ES), 597*
Feelings *(ES), 597*
Fingerspeller *(SI), 598*
Fingerspeller and Fingernumbers *(AR,AS,SI), 598*
FingerZoids *(GA,SI), 599*
First Categories *(ES,LS,LT), 599*
First Mate *(CR), 600*
First Verbs and Primeros Verbos *(ES,LT), 600*
First Words *(ES,LT), 601*
First Words II *(ES,LT), 601*
FlipTrack OneOnOne Computer Training Courses, *471*
Following Directions: One- and Two-Level Commands *(AR,ES), 602*
Following Directions: Left and Right *(ES), 602*
Foto Series *(NA), 72*
Foundations I *(AR,CR,ES), 603*
Foundations II *(AR,CR,ES), 603*
Fun With Math *(CN,SV), 604*
Function Pictures *(CR), 604*
Further Adventures of Jimmy Jumper - Perseverance *(AS,ES), 605*
Game Power for Phonics, Plus *(AS,LS), 535*
Gateway Stories, *605*
Geometric Figures and Spatial Concepts *(ES), 606*
Getting Clean with Herkimer Level I, II, III, *606*
GrammarPlay with Alps and Droops *(LS,LT), 607*
Grocery Store Words *(AD,LS), 607*
H:1 Handicapped Word Games *(GA,LS,RE), 715*
H:2 Handicapped Arithmetic Flash Cards *(CN,LS,RE), 608*
Help Me to Help Myself *(CI,NA), 72*
Hierarchical Attention Training *(CR,LS), 608*
Holiday Kit *(CI,NA), 73*
Holidays *(AR,CR,LS,LT), 609*
Homographs *(CR,LS), 609*
Homophones *(CR,LS), 610*
Human Being Machine *(RE), 610*
I Can Talk *(CI,ES,LT,TR), 611*
IBM THINKable/2 *(AR,CR), 611*

Idioms in America *(AS,LS,LT), 612*
If You're Happy and You Know It *(ES), 612*
Illustrated Menu *(CI,NA), 73*
Individualized Communication Systems *(CI,NA), 74*
Inferential Naming for Cognitive and Language Disorders *(CR,LS,LT), 613*
Information Signs *(AD,LS,LT), 613*
Initial Phoneme Cuing for Aphasics *(CR), 614*
Interaction Games *(ES,GA,TR), 614*
Interaction Games II *(ES,GA,TR), 615*
IntroTalker *(CI,EA,TR), 105*
Job Readiness Series *(AS,VO), 615*
Job Success Series *(VO), 616*
Join the Circus *(AS,ES), 616*
JOKUS Software *(ES), 617*
Joystick Mastery, *617*
Joystick Trainer *(TR), 618*
Kennedy Handi-Math Program *(CN,LS), 618*
Kennedy Switch Key Software *(CI,TI), 473*
Keyboarder *(KB,LP), 619*
Keyboarding for the Physically Handicapped *(AS,KB), 619*
Keyboarding Program with Voice Output *(KB), 620*
Keyboarding with One Hand *(KB,WP), 620*
Keys to Success: Comp. Keybd. Skills for Blind Children *(KB,SV), 621*
Keytalk *(KB,LS), 621*
Kidsview *(LP), 622*
Kidsword *(LP,WP), 622*
Language Master Special Edition *(LP,LS,PA,SV,TO), 409*
Large Character Toolkit *(AP), 623*
Laryngograph *(AS,ST), 623*
Learn to Scan *(AS), 624*
LEARN-PC *(KB), 624*
Learning the Alphabet *(ES), 625*
Learning to Reason *(LS), 625*
Learning to Spell Braille Signs *(BR), 626*
Leo's 'Lectric Paintbrush *(DR,PA,RE), 740*
Let's Go Shopping I and II *(ES), 626*
Letter Find *(CN,ES,KB,SV), 627*
Life Experiences Communication Kit *(CI,NA), 74*
Lighted Vibrating Signalling Buzzer *(AS,TR), 38*
Listen and Spell *(LS), 627*
Living Alone *(AD), 628*
Logo TouchTools for the PowerPad *(AS,ES), 628*
Mac-Apple Communications Aid *(CI,CN,DR,ES,PA,WP), 741*
MacSpeech Lab *(ST), 629*
Magic Slate II *(LP,LS,PA,WP), 629*
Make It Happen *(AS,ES), 630*
Make It In Time *(AS,ES), 630*
Make It Scan *(AS,ES), 631*
Mastering Personal Information (MPI) *(AD,CR), 631*
Math Made Easy *(CN,LS), 632*
Math on the Job *(AM,AS,CN,VO), 632*
Math Scratchpad I *(CN), 633*
Math Scratchpad II *(CN), 633*
Maze *(GA,RE), 634*
Medical Words *(AD,LS), 634*
Memory I *(CR,ES,LS), 635*
Memory II *(CR,ES,LS), 635*
Micro-LADS and Micro-LADS in French *(LT), 636*
MicroIllustrator *(DR,PA,RE), 743*
Mind Castle I and II *(GA,LS), 636*
Mini Picture Set *(CI,NA), 76*
Mini Talking Card Reader *(CI,TR), 39*
Minimal Contrast Therapy *(AR,ST), 637*
Mix 'N Match *(AR,ES), 637*
Money Box Software *(AD,CN), 638*
Money Matters *(LS), 638*
Money Skills *(AD,CN,LS), 639*
Motor Training Games *(AS,GA,RE), 716*
Motor Training Games *(GA,TR), 639*
Mount Murdoch *(GA,RE), 640*
Mouse in the Toy Box, *640*
Multisensory Curriculum *(AM,CN,CR,ES,LT), 641*
Muppet Learning Keys *(GA,ID), 379*
MY HOUSE: Language Activities of Daily Living *(LS,LT), 641*
MY SCHOOL: Language Activites of Daily Living *(LS), 642*
MY TOWN: Language Activities of Daily Living *(LS,LT), 642*
Nasometer *(AS,ST), 643*
Natural Language Processing Program *(LT), 643*
Nu-Vue-Cue *(CI,NA), 77*
Numeric Concepts I and II *(LS), 644*
Oakland Schools Picture Dictionary *(CI,NA), 77*
Occupations, *644*
Old MacDonald's Farm I and II *(ES,LS), 645*
Ollie and Seymour *(AD,CR), 645*
Opticommunicator *(CI,NA), 78*
Optimum Resource Reading Program *(AS,LS), 646*
Padded Food *(AS,ES), 646*
Padded Vehicles *(ES), 647*
Paint Box & Snap II Software *(LS), 647*
Paper Dolls I and II *(AD,ES), 648*
PAVE: Perceptual Accuracy/Visual Efficiency Training *(LS), 648*
Perceptual Motor Trainer *(AS,TR), 41*
Phonics Round-Up *(LS), 649*
Phonological Process Tutor *(AM,ST), 512*
PICSYMS Categorical Dictionary *(CI,NA), 82*
Pictalk *(CI,ES,TR), 649*
Picture Communication Symbols, Books I, II & III *(CI,NA), 83*
Picture Prompt Stickers *(CI,NA), 83*
Picture Scanner *(TR), 650*
Picture/Theme Disks *(TR), 650*
Pictures Programs: I, II and III *(CR,ES,LS), 651*
Pictures, Please! *(CI,NA), 84*
PII - Personalized Information for Independence *(AD,AR,CR,LS), 651*
Play and Match *(AS,ID,TR), 652*
Pocket Book *(CI,NA), 84*
Point and Read *(LS), 652*
Point to Pictures *(TR), 653*
Positive Parenting *(AD), 653*
PowerPad Toolkit 4, *654*
PowerTalker *(TR), 654*
Practice Communication Cards *(AS,CI,NA), 87*
Practice Speech *(ST), 655*
Preposition Fill-Ins *(CR), 655*
Primer 83 *(AS,LS), 656*
Problem Solving *(CR), 656*
Program for Aphasics *(CR), 657*
Programs for Early Learning and the Retarded *(ES), 657*
Project Star *(LS), 658*
Proportional Simulations Disk *(AS), 538*
Public Domain Software *(CN,ES,LS,PA), 658*
Pure Tone Simulation *(AM), 513*
Push-On-Push-Off Module *(AS,EC,TR), 42*
Quad Talk *(AS,TR), 44*
Rabbit Scanner *(AS,ES), 659*
Race the Clock *(GA,RE), 659*
Rate Drill in Articulation, Language and Fluency *(LT,ST), 660*
Reactions (R73) *(ES), 660*
Readable Stories Series *(LS), 661*
Reading Around Words Program *(LS), 661*
Reading Comprehension for Adolescents *(CR), 662*
Reasoning Skills on the Job *(AM,AS,VO), 662*
Rehabilitative Software for Young Adults ... *(CR), 663*
Representational Play *(ES,LT), 663*
Rhyming Pictures *(CR), 664*
Rockets to the Moon *(ES,GA,TR), 664*
Rotary Communication Scanner *(AS,CI,TR), 45*
Run Rabbit Run *(AS,ES), 665*
Safety Signs *(AD,LS,LT), 665*
Say & See *(AS,ST), 539*
Say-It-Simply Plus *(CI,EA,TR), 115*
Scan & Speak *(CI,TR), 666*
Schoolcraft Series Software *(CN,GA), 666*
Seasons, *667*
Seek & Find Level I & II, *667*
Semantic Development Using Code Breaking Strategies *(LS,LT), 668*
Sentence Key & Picture Sequence Key, *668*
Sentence Master *(LS), 669*
Sentence-Scan *(CI,EA,PA), 118*

Sequential Scanner *(AS,CI,TR), 46*
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Sharon's Programs *(ES,LS), 670*
Sight Word Spelling *(LS,SV), 670*
Sight Words *(LS), 671*
Silly Sandwich *(ES), 671*
SimpleCom I: Yes/No Communication *(CI,TR), 672*
SimpleCom II: Needs/Wants Communication *(CI,TR), 672*
Single Choice Toy Program *(TR), 673*
Single Switch Assessment Program for IBM *(AS,TR), 541*
Slow Speech *(ST), 673*
Smart Shaper I and II *(CN,CR,ES), 674*
Soft Tools *(CR,ES,LS,LT), 674*
Song Grid *(ES), 675*
Sound Match *(AS,ES), 675*
Speaking Speller *(LS,SV), 676*
Special Education Public Domain Software *(CR,LS), 676*
Special Skill Builders I & II *(CN,ES), 677*
SpeechViewer *(ST), 677*
SpeechViewer II *(AM,ST), 678*
Spell-A-Word & 2+2 *(CN,LS), 678*
Spell-Talk *(LS,SV), 679*
Speller Teller Communicators *(AS,CI,TR), 48*
Spelling Tutor *(LS), 679*
SPELLIST *(LS), 680*
Spin and Spell *(LS), 680*
Story-Ware *(WP), 681*
Storytime Tales (J60), *681*
Study Buddy, *682*
Sunny Days *(LS), 682*
Survival Words *(AD,AS,LS,LT), 683*
Switch Arcade *(GA), 683*
Switch It - Change It *(ES), 684*
Switch It - See It *(ES), 684*
Switch Latch *(AS,EC,TR), 49*
Switch Training Program and Communication Training Pgm. *(LS,TR), 685*
Switchboard *(CI,EA), 120*
SwitchEnsemble *(RE,TR), 685*
Symbol Training Display *(AS,TR), 51*
Symbol Writer *(AS,ES,GA), 686*
Talk-to-Me Tutorial Cassettes, *483*
Talking Hands *(SI), 686*
Talking Keys *(TR), 687*
Talking Literacy Kit for the Apple IIe (TALK) *(GA,KB,WP), 687*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,TR), 688*
Talking Pictures Communication Board *(CI,NA), 89*
Talking Pictures, Kits I, II, and III *(CI,NA), 89*
Talking Public Domain Disks *(LS,SV,VO), 688*
Talking Riddles *(LS,SV), 689*
Talking Touch Window *(AS,CI,TR), 689*
Talking Toys *(TR), 690*
Talking Writer & Four Games *(KB,LP,PA,SV,WP), 757*
Tape-A-Message Mike and Adapted Tape-A-Message *(AS,PC,TR), 51*
Target *(AS,CI,TR), 690*
Tea Party *(ES), 691*
Teenage Switch Progressions, *691*
Telling Time, Parts of the Face, Learning Colors *(ES), 692*
TEXTALKER *(SV,TO), 424*
There's a Mouse in the Toybox (K09), *692*
This is the Way We Wash Our Face *(ES,TR), 693*
Timekeeper *(AD), 693*
Timer Module *(AS,EC,TR), 53*
Tone Switch Box *(AS,TR), 53*
Touch & Speak *(CI,PA,TR), 759*
Touch 'N Talk Communication Board *(CI,NA), 90*
Touch 'N Talk Communication Stickers *(CI,NA), 91*
Touch 'N Talk Micros *(CI,NA), 91*
Touch and Match *(ES), 694*
Touch and See *(ES), 694*
Touch Com *(AS,CI,TR), 542*
Toy Adapter Cables: CA-9/CA-12/CA-16 *(AS,TR), 54*
Toy Cable *(AS,TR), 55*
Trace Math Aid *(CN), 695*
Training Aid 2 *(AS,EC,TR), 56*
Transportation Signs *(AD,LS,LT), 695*
Tri-Responder *(AS,TR), 56*
Twenty Categories *(AR,LS), 696*
Type to Learn *(KB), 696*
Type-Hype *(KB,LP), 697*
Ufonic Voice System *(SS), 459*
Understanding Attributes *(CR), 697*
Understanding Decibels *(AM), 521*
Understanding Questions I *(LS,LT), 698*
Understanding Questions II: More Questions *(LS,LT), 698*
Understanding Sentences I: Finding Absurdities *(LS,LT), 699*
Understanding Sentences II: Abstract Meanings *(LS,LT), 699*
Understanding Stories I *(LS,LT), 700*
Understanding Stories II: More Stories *(LS,LT), 700*
Unipix *(CI,NA), 92*
Variable Position Scanner *(AS,CI,TR), 57*
Verb Fill-Ins *(CR), 701*
Verbal Analogies *(LS,LT), 701*
Versascan *(AS,CI,TR), 57*
Vibrating Sack *(AS,TR), 58*
Video Voice Speech Training System *(AR,ST), 702*
Visagraph Eye-Movement Recording System *(AS), 542*
Visi-Pitch Model 6095/6097 *(AR,ST), 702*
VISPA *(CR), 703*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,AS,CR,ES), 543*
Visuospatial Skills I *(AR,CR), 703*
Visuospatial Skills II *(AR,CR), 704*
Voice Activated Graphics *(ST), 704*
Voice Math *(CN), 705*
Voice Reading Ability Drill *(LS), 705*
Wheels On The Bus I, II, and III *(ES,TR), 706*
Where is Puff? *(ES), 706*
Word Memory Programs *(CR,LS), 707*
Word Order in Sentences *(LS,LT), 707*
WORDMASTER *(LS,LT), 708*
Wordplay with Alps and Droops *(GA,LS), 708*
Words and Concepts I, II, III *(LS,LT), 709*
Worm Squirm *(ES,TR), 709*
Write *(CI,LS,SV), 710*
WSCC (Washington State Cooperative Curriculum) *(LS), 710*
Zero to Five *(LS), 711*
Zoo Time *(ES), 711*
Zygo Model 100 *(CI,EA,PW,TI,TW), 125*
Zygo Model 16C-JK *(AS,CI,TR), 60*
Zygo Model 20 *(AS,CI,TR), 60*
Zygo Model 21S *(AS,CI,TR), 61*

Electronic Communication and Writing Aids {EA}

Dedicated electronic conversation and writing aids. Most offer printed output, synthesized voice output, or both. Aids must allow at least 32 distinct selections (enough for the alphabet and a few controls) in order to be included. Software programs that are sold separately from their computers (e.g., not packaged as a whole with the computer) are not listed under this code, but would be listed under Personal Tool or Aid Software (PA) and Conversation/Interaction (CI).

A.I.P.S. Wolf (Alternate Input Peripheral System), *97*
AudScan II *(CI), 97*
Canon Communicator CC-7S and CC-7P *(CI), 98*
Control Without Keyboards *(AS,CI,ET,PA), 98*
Crestalk *(CI), 99*
DAC *(CI,SS), 99*
DigiVox *(CI), 100*
Dvorak One-Hand Typewriter *(CI,PW), 100*
DynaVox *(CI), 101*
Electronic Speech Synthesizers, *101*
Equalizer *(CI,DR,PW,RE,TI,TW), 102*
EvalPAC with RealVoice *(AS,CI,EC,PW,TI,TW), 102*

Expanded Keyboards for Speak N' Spell *(ET,TR), 103*
Eyegaze Computer System *(EC,PC,TI), 103*
FreeComm *(CI,PA), 104*
GEWA Polycom *(CI,PC,PW,TL,WP), 104*
Handy Speech Communication Aide *(CI,SS), 105*
Help U Type and Speak *(CI,KM,PA), 735*
IntroTalker *(CI,ET,TR), 105*
Liberator *(CI,CN,PW,TI), 106*
Light Talker *(CI,EC,PW,TI,TW), 106*
LightWRITER SL30 *(CI), 107*
LightWRITER SL5 *(CI), 107*
LightWRITER SL8 and SL80 *(CI), 108*
LightWRITER SL81 and SL82 *(CI), 108*
Lingraphica *(CI,CR,PA), 109*
Macaw *(CI), 109*
Macaw-SC *(CI), 110*
MegaWolf *(CI), 110*
Message Maker *(CI,PA), 111*
MessageMate 20 *(CI), 111*
PC-Voice *(CI,PA,PW,TI), 748*
PEACEKEYPER *(CI,NA,TR), 40*
Peacemaker *(CI,NA,TR), 41*
Porta-Voice *(CI,PW,WP), 112*
Porta-Voice II *(CI,PW,SS,WP), 112*
Portable Typewriters and Handheld Computers *(CM,WP), 113*
Quick Talk *(CI,PA,PC), 113*
RealVoice *(AS,CI,EC,PW,TI,TW), 114*
Say It *(CI,PA), 114*
Say-It-All II Plus *(CI,KG,PW), 115*
Say-It-Simply Plus *(CI,ET,TR), 115*
Scan Com *(CI), 116*
Scan-It-All *(CI,EC), 116*
ScanPAC *(CI,CN,EC,PW,TI,TW), 117*
Scribe *(CI,KG,PW), 117*
Sentence-Scan *(CI,ET,PA), 118*
SpeakEasy *(CI), 118*
Special Friend Speech Prosthesis *(CI), 119*
Specialist *(CI,NA,TR), 47*
SpeechWare *(CI,PA), 119*
Switchboard *(CI,ET), 120*
System 2000 *(CI), 120*
T-TAM Keyboard and Mouse Emulator *(IA,KM,MT,TI), 393*
Talk-O *(CI,TR), 121*
Talker II *(CI,KG,PW), 121*
Talking EyePoint Board *(CI,TI), 122*
Talking Screen *(CI,PA), 122*
Talking Symbols *(CI,PA), 757*
TIGER Jr. *(CI,NA,TR), 52*
Touch Talker *(CI,EC,PW,TI,TW), 123*
Typewriters for the Visually Impaired *(PW), 123*
ViewKey *(CI,PA), 765*
VOIS 160 *(CI), 124*
WhisperWolf *(CI), 124*
Yes-No Voice Box *(CI,TR), 59*
Zygo Model 100 *(CI,ET,PW,TI,TW), 125*
Zygo scanWRITER *(CI,EC,PW,TI,TW), 125*
Zygo Talking Notebook II *(CI,CN,PW,WP), 126*

Environmental Controls {EC}

Devices or systems whose functions is to control some other device in the person's environment: lamp, TV, telephone, etc. Exceptions are (1) devices used to control computers and (2) devices used to control battery-operated devices (such as toys) for the purpose of encouraging switch operation or teaching communication skills. The former are listed under Alternate Inputs Usable with All Software (TI); the latter are listed under Training and Communication Initiation (TR).

90-A Timer and CTR-1 Counter *(AS,ET,TR), 21*
Able-Phone 100WA *(PC), 197*
Able-Phone 1900 and 2000 *(PC), 197*
Able-Phone 6000SX *(PC), 198*
Able-Switch 500 *(CM), 198*
Able-Switch Model 300 *(CM), 199*
ACS Headsets *(PC), 199*
Active Stimulation Programmer *(AS,ET,TR), 22*
Active Therapy System (ACTS) *(AS,ET,TR), 551*
Activity Board *(AS,TR), 23*
Adapted Access Speakerphone *(PC), 200*
Automaddak Page Turner *(BP), 200*
Automatic Page Turner *(BP), 201*
Bed Control (DBC-1), *201*
Big Button Telephone *(PC), 202*
Big-Button Phones *(PC), 202*
Butler-in-a-Box *(PC,TI), 203*
C-500 Control System *(MT,TI), 304*
CCT Environmental Control, *203*
CINTEX I and II *(GA,PA,PC,WP), 725*
Communication Programs *(CI,PA,TR), 727*
Compuvox *(TI), 305*
Control I *(PC), 204*
Controller, *204*
Custom Speaker Phone *(PC), 205*
Delay Timer DT-1 *(AS,ET,TR), 32*
DEUCE *(PC,TW), 205*
Dual Channel Latching Switch Interface *(AS,ET,TR), 33*
Dual Switch Latch and Timer *(AS,ET,TR), 34*
E Z Keys *(KM), 262*
EASICORDER, *206*
Easy File Tray, Desk Organizer, Catalog Rack *(BP), 206*
EDACTS Keyboard *(CI,TI,WP), 309*
Environment Control, *207*
Environmental Control *(TR), 207*
Environmental Control System *(PC), 208*
Environmental Control Units, *208*
EvalPAC with RealVoice *(AS,CI,EA,PW,TI,TW), 102*
Expanded Keyboard for Automatic Telephone *(PC), 209*
Eye Slaved Pointing System *(PC,TI), 314*
Eyegaze Computer System *(EA,PC,TI), 103*
Ez-Control Modular Environmental Control System *(PC), 209*
EZRA *(CI,CM,PC), 210*
F71863 Touch Phone Attachment *(PC), 210*
Fone Holder *(PC), 211*
FreeBoard *(PA,TI), 734*
Gewa Page Turner *(BP), 211*
Giant Push Button Telephone Adapter *(PC), 212*
Gripper, *212*
HAL (Home Automation Link) *(PC,TI), 319*
Head Position Interface, *160*
HECS-1 *(PC), 213*
Ideal-Phone *(PC,TL), 213*
Imperium 100 Environmental Control Unit, *214*
Independence VoicePhone *(PC), 214*
Infrared Remote Control IRTI-1, *215*
Intercom Unicontrol *(CM), 242*
Invisible Connection, *163*
Kincontrol, *215*
LIAISON *(KE,PC,TI), 331*
Light Talker *(CI,EA,PW,TI,TW), 106*
Mastervoice Environmental Control Single User Unit *(PC), 216*
Media Handling Products *(BP,PT), 475*
Memory Button Telephones *(PC), 216*
MicroDEC II *(CM,PC), 217*
Mini-Environmental Control MECU-1, *217*
Motorized Easel *(BP), 218*
Next Page Page Turner *(BP), 218*
On/Off Remote Switch, *219*
Personal Attendant *(DS,PC,TI,WP), 352*
PIC-100 Programmable Remote Controller, *219*
PowerLink 2, *220*
PROXi *(PC), 220*
Push-On-Push-Off Module *(AS,ET,TR), 42*
Radio Remote Control, *221*
RC-3000 Speakerphone *(PC), 221*
RC5000 Radio Home Control System *(CM), 222*
RealVoice *(AS,CI,EA,PW,TI,TW), 114*
RELAX, *222*
Remote Control Speakerphone Model RC3000 *(PC), 223*
Robotic Work Station Attendant *(BP,PC,RC), 223*

Saltus Reader *(BP), 224*
Sapura S2000 HF *(PC), 224*
Scan-It-All *(CI,EA), 116*
Scanning Remote Control (SRC), *225*
Scanning X-10 Powerhouse, *225*
ScanPAC *(CI,CN,EA,PW,TI,TW), 117*
SenSei *(PA,PC,TI,TL), 363*
Simplicity Series ECUs *(PC), 226*
Speaker Phones *(PC), 226*
Switch Latch *(AS,ET,TR), 49*
Telephone Holder & Line Connector *(PC), 227*
Telephone Management System *(PC), 227*
Timer Module *(AS,ET,TR), 53*
Touch Talker *(CI,EA,PW,TI,TW), 123*
Touch Turner *(BP), 228*
Training Aid 2 *(AS,ET,TR), 56*
TV Converter Model 4020, *228*
TVRC and TVRCS, *229*
U-Control, *229*
Ultra 4 Remote System, *230*
Unidialer II *(PC), 230*
Universal Control System with Tongue Touch Keypad *(PC), 231*
Universal I.R. Remote, *231*
Universal Telephone Adapter/Modular Telephone Adapter *(PC), 232*
Virtual Telephone *(PC), 232*
X-10 Home Control Interface, *233*
X-10 Powerhouse System, *233*
Zygo scanWRITER *(CI,EA,PW,TI,TW), 125*

Games {GA}

Software products that consist of a game or are written in a game format. Educational programs with a game format will also be listed under Education, Training, and Therapy (ET).

Apple Programs for the Handicapped *(CI,ET,PA,TR), 555*
Audio Braille Game Tutorial *(BR,ET,RE), 557*
Bozons' Quest *(ET,LS), 562*
CINTEX I and II *(EC,PA,PC,WP), 725*
Creature Antics and Creature Capers *(ET,TR), 583*
CrossWords *(AP,ET,LS), 585*
Dinosaur Game *(ES,ET,TR), 586*
FingerZoids *(ET,SI), 599*
Governor *(PA), 472*
H:I Handicapped Word Games *(ET,LS,RE), 715*
Hands Free Controller *(RE,TI), 320*
Interaction Games *(ES,ET,TR), 614*
Interaction Games II *(ES,ET,TR), 615*
Lite Touch *(DR,RE,TI), 333*
Maze *(ET,RE), 634*
Mind Castle I and II *(ET,LS), 636*
Motor Training Games *(AS,ET,RE), 716*
Motor Training Games *(ET,TR), 639*
Mount Murdoch *(ET,RE), 640*
Mouth Operated Joystick for Nintendo *(RE,TI), 342*
Muppet Learning Keys *(ET,ID), 379*
Race the Clock *(ET,RE), 659*
Rockets to the Moon *(ES,ET,TR), 664*
Schoolcraft Series Software *(CN,ET), 666*
Switch Arcade *(ET), 683*
Symbol Writer *(AS,ES,ET), 686*
Talking Games #1 *(RE,SV), 716*
Talking Literacy Kit for the Apple IIe (TALK) *(ET,KB,WP), 687*
Wordplay with Alps and Droops *(ET,LS), 708*

IEP and IPP {IE}

Software which facilitates the preparation of Individual Education Plans or Individual Program Plans. Most programs in this category will also be listed under Administration and Management (AM).

Automated IEP System and Professional Goal Banks *(AM), 492*
CLASS *(AM,AR), 494*
Computerized Inventory of Basic Skills (CIBS) *(AM,AR), 497*
DPS:HELP *(AM,AR), 500*
Easy Report Writer *(AM), 501*
G&O Basic *(AM), 503*
Goal Digger *(AM), 504*
Goal Rush *(AM), 505*
I.E.P. Entry *(AM), 506*
iepSYSTEM *(AM), 507*
Individual Educational Program *(AM), 507*
PennStar System *(AM), 511*
Sheri *(AM,AR), 516*
TALLEY Goals and Objectives Writer *(AM), 518*
UNISTAR II+ *(AM), 521*

Input Adapters for Computers {IA}

Special adapters that go between adaptive devices (switches, controls, keyboards, etc.) and the standard computer. These adapters have no function in and of themselves except to act as an adapter to allow the special input device to be plugged into the computer. The adapters may simply adapt from one type of connector to another (for instance a box that connects switch plugs to a joystick plug), or they may provide more sophisticated functions (for example keyboard emulating interfaces for adapting communication aids to computers).

Access Pack for Microsoft Windows *(KM,MT,TI), 256*
AccessDOS *(KM,MT,TI), 256*
Adaptive Firmware Card Model G32e *(KE,KM,TI), 298*
AID+Me Programmable Keyboard *(KM,MT,TI), 299*
Apple Computer Input Adapter, *383*
BEST Switch Interface, *383*
Computer Switch Interface, *384*
DA-II Adapter, *384*
Expanded Keyboard Interface, *385*
Input Adapter, *385*
Interface Box for Apple II, *386*
Internal I/O Port Adapter, *386*
Joystick Replacer Box, *387*
Keyboard Expander, *387*
Keyboard Interfaces *(KE), 388*
Macintosh Switch Interface (M09), *388*
Multiple Switch Box, *389*
Multiple Switch Box Kit, *389*
One Access *(TI), 346*
Paddle Panel, *390*
Porter, The, *390*
PowerPort, *391*
PSS Joystick Adapter, *391*
R/S IV Series Wireless Link, *392*
Switch Interface, *392*
SynPhonix 210 and 215 *(SS), 456*
SynPhonix 220 and 225 *(SS), 456*
T-TAM Keyboard and Mouse Emulator *(EA,KM,MT,TI), 393*
Universal Input Adaptor, *393*
Wireless Data Transmission System, *394*

Input Devices Usable with Only Some Software {ID}

Special input devices that can be used with computers but which do not provide "transparent" access; that is, they do not allow the user to operate all software that could be operated with an equivalent "standard" input device, such as a keyboard or mouse. Instead, these input devices are designed to be used in conjunction with software written expressly for them. If a special hardware or software adaptor is available that converts the input device to transparent input device, then it is listed under Alternate Inputs Usable with All Software (TI), above.

AbiliCad *(DR,PA), 377*
BEST Buttons, *377*

Electronic Talk Board *(CI,ET,PA,TR), 731*
Hand Controls, *378*
KoalaPad+ *(DR), 378*
Muppet Learning Keys *(ET,GA), 379*
Play and Match *(AS,ET,TR), 652*
Switch-Back, *379*
TouchWindow *(DR,DS,RE,WP), 380*
Voice Master Key System and Key System II *(SS,TI), 371*
VoiceCAD *(DR,PA), 380*

Keyboard Emulating Interfaces (Adapters Only) {KE}

Adapters which allow some device that does not normally emulate a standard computer keyboard to emulate a standard computer keyboard. For instance, certain keyboard emulation interfaces can be connected between an electronic communication aid and a computer so that the user of the aid can operate the computer using the communication aid instead of the computer's regular keyboard.

Adaptive Firmware Card Model G32e *(IA,KM,TI), 298*
Ke:nx *(MT,TI), 327*
Keyboard Interfaces *(IA), 388*
LIAISON *(EC,PC,TI), 331*
Remote Keyboard *(TI), 359*

Keyboarding Training Programs {KB}

Software which facilitates the acquisition of keyboarding skills (using the standard computer keyboard). Only keyboarding programs especially designed for disabled computer users are included.

COINSNKEYS *(CN,ES,ET), 375*
Evaluate *(AS), 534*
Keyboarder *(ET,LP), 619*
Keyboarding for the Physically Handicapped *(AS,ET), 619*
Keyboarding Program with Voice Output *(ET), 620*
Keyboarding with One Hand *(ET,WP), 620*
Keys to Success: Comp. Keybd. Skills for Blind Children *(ET,SV), 621*
Keytalk *(ET,LS), 621*
LEARN-PC *(ET), 624*
Letter Find *(CN,ES,ET,SV), 627*
Talking Literacy Kit for the Apple IIe (TALK) *(ET,GA,WP), 687*
Talking Writer & Four Games *(ET,LP,PA,SV,WP), 737*
Type to Learn *(ET), 696*
Type-Hype *(ET,LP), 697*

Keyguards {KG}

Plastic or metal plate that covers the computer keyboard, with holes positioned over each of the keys. Also, any device with a built-in or optional keyguard.

Expanded Keyboard for Apple II+ and IIe *(TI), 310*
Expanded Keyboard for IBM Computers *(TI), 311*
Expanded Keyboards for the Talking BlissApple *(TI), 312*
Keyguard *(KM), 272*
KeyGuard *(KM), 272*
Keyguard *(KM), 273*
Keyguard *(KM), 273*
Keyguards *(KM), 274*
Plastic Keyboard Cover *(KM), 283*
PowerPad Keyguard *(KM), 284*
Reinforced Keyguard *(KM), 287*
Say-It-All II Plus *(CI,EA,PW), 115*
Scribe *(CI,EA,PW), 117*
Talker II *(CI,EA,PW), 121*

Language Therapy/Development {LT}

Software designed to be used for language therapy or language development. Not the same as Speech Therapy (ST).

Adventures of Jimmy Jumper - Prepositions *(AS,ES,ET), 552*
Cognitive Rehabilitation Software *(ES,ET,LS), 571*
Community Signs *(AD,ET,LS), 577*
Computer CUP *(ES,ET), 579*
CONCENTRATE! On Words & Concepts *(ET,LS), 581*
Cue-Write *(ET,LS), 585*
Early Emerging Rules Series *(ET,LS), 589*
Employment Signs *(AD,ET,LS), 594*
Exploratory Play *(ES,ET), 595*
Fact File: Brief Facts and Jokes for Reading ... *(ET), 596*
First Categories *(ES,ET,LS), 599*
First Verbs and Primeros Verbos *(ES,ET), 600*
First Words *(ES,ET), 601*
First Words II *(ES,ET), 601*
GrammarPlay with Alps and Droops *(ET,LS), 607*
Holidays *(AR,CR,ET,LS), 609*
I Can Talk *(CI,ES,ET,TR), 611*
Idioms in America *(AS,ET,LS), 612*
Inferential Naming for Cognitive and Language Disorders *(CR,ET,LS), 613*
Information Signs *(AD,ET,LS), 613*
Language Intervention Planner *(AM,AR), 508*
Micro-LADS and Micro-LADS in French *(ET), 636*
Multisensory Curriculum *(AM,CN,CR,ES,ET), 641*
MY HOUSE: Language Activities of Daily Living *(ET,LS), 641*
MY TOWN: Language Activities of Daily Living *(ET,LS), 642*
Natural Language Processing Program *(ET), 643*
Parrot Easy Language Sample Analysis (PELSA) *(AM,AR,AS), 510*
Rate Drill in Articulation, Language and Fluency *(ET,ST), 660*
Referential Semantic Analysis *(AM,AR), 514*
Representational Play *(ES,ET), 663*
Safety Signs *(AD,ET,LS), 665*
SALT (Systematic Analysis of Language Transcripts) *(AM,AR), 516*
Semantic Development Using Code Breaking Strategies *(ET,LS), 668*
Soft Tools *(CR,ES,ET,LS), 674*
Survival Words *(AD,AS,ET,LS), 683*
Transportation Signs *(AD,ET,LS), 695*
Understanding Questions I *(ET,LS), 698*
Understanding Questions II: More Questions *(ET,LS), 698*
Understanding Sentences I: Finding Absurdities *(ET,LS), 699*
Understanding Sentences II: Abstract Meanings *(ET,LS), 699*
Understanding Stories I *(ET,LS), 700*
Understanding Stories II: More Stories *(ET,LS), 700*
Verbal Analogies *(ET,LS), 701*
Word Order in Sentences *(ET,LS), 707*
WORDMASTER *(ET,LS), 708*
Words and Concepts I, II, III *(ET,LS), 709*

Large Print Output {LP}

Software or devices specifically designed to produce large print, either on the screen or on paper. The product must be designed to be usable by people with visual impairments.

ADAPTA-LAN *(CI,PC,TI,WP), 297*
Anti-Glare Magnification Screen *(TO), 397*
B-Edit *(PA,WP), 721*
B-Pop *(PA), 721*
Beamscope II *(TO), 399*
BEX 3.1 *(BR,PA,SV,WP), 722*
BIG for 1-2-3 *(DS,PA), 722*
BIG for WordPerfect *(PA), 723*
Big Letters *(ET,LS,WP), 560*
Big Text Machine *(PA), 723*
Business FOCUS *(TO), 400*
Calc-Talk *(CN,PA,SV), 724*
CloseView *(TO), 401*
Combination Braille/Large Print Keytop Labels *(BR,KM), 260*
Compu-Lenz *(TO), 402*

Computer Aids for the Blind (40 programs) *(CI,ET,PA,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,PA,TR), 728*
Dr. Peet's Talk/Writer *(ET,LS,WP), 587*
Enlarged Alpha & Numeric Keytops *(KM), 263*
Eye Relief *(PA,WP), 732*
Gizmo *(SV,TO), 405*
inFocus *(PA), 737*
inLARGE 2.0 *(TO), 407*
Keyboarder *(ET,KB), 619*
Kidsview *(ET), 622*
Kidsword *(ET,WP), 622*
Language Master Special Edition *(ET,LS,PA,SV,TO), 409*
Large Print Display Processor *(TO), 410*
Large Print Word Processors *(PA,WP), 739*
Large-Type Display Utility Software *(TO), 410*
Low Vision Editor (LVE) and LVE23 *(PA,WP), 740*
LPDOS (Large Print DOS) *(TO), 411*
LPDOS Deluxe Edition with LP-Windows *(DR,TO), 411*
MAGic and MAGic Deluxe *(PA), 741*
Magic Keyboard *(TO), 412*
Magic Slate II *(ET,LS,PA,WP), 629*
Magnum GT *(TO), 412*
MegaDots *(BR,PA), 743*
NuVu Models MC1, PS1, and GNK *(TO), 414*
Optacon II *(BD,TO), 415*
OPTEQ V and VFF *(TO), 416*
Panorama *(TO), 417*
Peachy Writer Bold *(PA), 749*
Powerama *(TO), 417*
Talking Writer & Four Games *(ET,KB,PA,SV,WP), 757*
Tall Talk Prints v. 2 *(SV,TO), 424*
Twin-Vu *(TO), 425*
Type-Hype *(ET,KB), 697*
Vantage CCD *(TO), 426*
Verbal View *(TO), 427*
VersiColor CCD *(TO), 428*
VisAbility *(PA), 765*
Vista and Vista 2 *(TO), 429*
ZoomText *(TO), 430*

Later Skills (Includes Reading) {LS}

Software designed to teach post-reading academic skills. Early Skills (ES) designates skills that are pre-reading.

Academics with Scanning: Language Arts *(ET), 549*
Antonyms and Synonyms *(CR,ET), 553*
APH/SEI Talking Software *(ET,SV), 554*
Aphasia Series: I through VIII *(CR,ET), 554*
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Bozons' Quest *(ET,GA), 562*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET), 566*
CARA (Computer Assisted Reading Assessment) *(AR,AS), 531*
Cloze-Plus Program *(ET), 569*
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Community Signs *(AD,ET,LT), 577*
Complete Spelling Program *(ET), 578*
Comprehension Power Program *(AR,ET), 579*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,CR,ET), 580*
CONCENTRATE! On Words & Concepts *(ET,LT), 581*
Core Reading and Vocabulary Development *(ET), 582*
CREATE *(AR,AS,CR,ES,ET), 583*
CrossWords *(AP,ET,GA), 585*
Cue-Write *(ET,LT), 585*
Dr. Peet's Talk/Writer *(ET,LP,WP), 587*
Drive to Live *(ET), 587*
Early Emerging Rules Series *(ET,LT), 589*
Early Learning 3.5/Complete Early Learning 5.25 *(ES,ET), 589*
Early Learning III *(CN,ET), 591*
Edmark Reading Program, Level 1 Software *(ES,ET), 591*
Edufun *(CN,ET), 592*
Elementary Volume 1 - Mathematics *(CN,ET,SV), 593*
Employment Signs *(AD,ET,LT), 594*
First Categories *(ES,ET,LT), 599*
Game Power for Phonics, Plus *(AS,ET), 535*
GrammarPlay with Alps and Droops *(ET,LT), 607*
Grocery Store Words *(AD,ET), 607*
H:1 Handicapped Word Games *(ET,GA,RE), 715*
H:2 Handicapped Arithmetic Flash Cards *(CN,ET,RE), 608*
Hierarchical Attention Training *(CR,ET), 608*
Holidays *(AR,CR,ET,LT), 609*
Homographs *(CR,ET), 609*
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Idioms in America *(AS,ET,LT), 612*
Inferential Naming for Cognitive and Language Disorders *(CR,ET,LT), 613*
Information Signs *(AD,ET,LT), 613*
Kennedy Handi-Math Program *(CN,ET), 618*
Keytalk *(ET,KB), 621*
Language Master Special Edition *(ET,LP,PA,SV,TO), 409*
Learning to Reason *(ET), 625*
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Magic Slate II *(ET,LP,PA,WP), 629*
Math Made Easy *(CN,ET), 632*
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Money Matters *(ET), 638*
Money Skills *(AD,CN,ET), 639*
MY HOUSE: Language Activities of Daily Living *(ET,LT), 641*
MY SCHOOL: Language Activites of Daily Living *(ET), 642*
MY TOWN: Language Activities of Daily Living *(ET,LT), 642*
Numeric Concepts I and II *(ET), 644*
Old MacDonald's Farm I and II *(ES,ET), 645*
Optimum Resource Reading Program *(AS,ET), 646*
Paint Box & Snap II Software *(ET), 647*
PAVE: Perceptual Accuracy/Visual Efficiency Training *(ET), 648*
Phonics Round-Up *(ET), 649*
Pictures Programs: I, II and III *(CR,ES,ET), 651*
PII - Personalized Information for Independence *(AD,AR,CR,ET), 651*
Point and Read *(ET), 652*
Primer 83 *(AS,ET), 656*
Project Star *(ET), 658*
Public Domain Software *(CN,ES,ET,PA), 658*
Readable Stories Series *(ET), 661*
Reading Around Words Program *(ET), 661*
Safety Signs *(AD,ET,LT), 665*
Semantic Development Using Code Breaking Strategies *(ET,LT), 668*
Sentence Master *(ET), 669*
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Sight Words *(ET), 671*
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Spell-Talk *(ET,SV), 679*
Spelling Tutor *(ET), 679*
SPELLIST *(ET), 680*
Spin and Spell *(ET), 680*

Start Talking *(ES), 482*
Sunny Days *(ET), 682*
Survival Words *(AD,AS,ET,LT), 683*
Switch Training Program and Communication Training Pgm. *(ET,TR), 685*
Talking Public Domain Disks *(ET,SV,VO), 688*
Talking Riddles *(ET,SV), 689*
Transportation Signs *(AD,ET,LT), 695*
Twenty Categories *(AR,ET), 696*
Understanding Questions I *(ET,LT), 698*
Understanding Questions II: More Questions *(ET,LT), 698*
Understanding Sentences I: Finding Absurdities *(ET,LT), 699*
Understanding Sentences II: Abstract Meanings *(ET,LT), 699*
Understanding Stories I *(ET,LT), 700*
Understanding Stories II: More Stories *(ET,LT), 700*
Verbal Analogies *(ET,LT), 701*
Voice Reading Ability Drill *(ET), 705*
Word Memory Programs *(CR,ET), 707*
Word Order in Sentences *(ET,LT), 707*
WORDMASTER *(ET,LT), 708*
Wordplay with Alps and Droops *(ET,GA), 708*
Words and Concepts I, II, III *(ET,LT), 709*
Write *(CI,ET,SV), 710*
WSCC (Washington State Cooperative Curriculum) *(ET), 710*
Zero to Five *(ET), 711*

Modifications for Standard Keyboards {KM}

Hardware or software that modifies how a computer's standard keyboard operates. Hardware adaptations include keyguards, key latches, moisture guards, foot operated shift keys, etc. Software adaptations include programs for adjusting the keyboard repeat rate, programs for accelerated typing, programs for rearranging the keyboard, and programs that electronically "lock" keys such a SHIFT. This code includes only products which adapt a computer's standard keyboard. Actual alternative keyboards are listed under Alternate Inputs Usable with All Software (TI). Adaptations and modifications for parts of the computer other than the keyboard can be found under Other Software or Hardware Adaptations (OA).

1-Finger Version 5.05, *255*
1-Key, *255*
Abbreviation/Expansion *(PA,WP), 719*
Access Pack for Microsoft Windows *(IA,MT,TI), 256*
AccessDOS *(IA,MT,TI), 256*
Adaptive Firmware Card Model G32e *(IA,KE,TI), 298*
AID+Me Programmable Keyboard *(IA,MT,TI), 299*
Articulating Drawers, *257*
AutoKey 20/20, *257*
Blank-Out Keytops, *258*
Braille Keytop Labels *(BR), 258*
Brailled Keyboard Overlay for the Apple IIGS *(BR), 259*
Carpal-Eez, *259*
CHPI Apple Tool Kit *(BR,PA,TL,WP), 725*
Combination Braille/Large Print Keytop Labels *(BR,LP), 260*
Compu-Rest Arm Support, *260*
Dvorak Computer Keyboard, *261*
Dvorak Conversion Keytop Labels, *261*
E Z Keys *(EC), 262*
Easy Access *(MT), 262*
Enlarged Alpha & Numeric Keytops *(LP), 263*
Expanded Keyboard Emulator, *263*
Filch, *264*
FlexShield Keyboard Protectors, *264*
Half-QWERTY One-handed Keyboard Software, *265*
Handi-Keys *(AR,AS), 265*
HandiKEY and HandiKEY Deluxe, *266*
HandiSHIFT, *266*
HandiWORD and HandiWORD Deluxe, *267*
Help U Type, *267*
Help U Type and Speak *(CI,EA,PA), 735*
High Dots *(BR), 268*
Home-Row Key Indicators, *268*
HX-20 Protective Cover, *269*
KeyAbility, *269*
Keyboard Covers, *270*
Keyboard Overlays for Apple IIe and IIgs, *270*
Keyboard Wrist Rest, *271*
Keycache, *271*
Keyguard *(KG), 272*
KeyGuard *(KG), 272*
Keyguard *(KG), 273*
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Keyguards *(KG), 274*
Keylocks, *274*
KeyStopper, *275*
KeyUp, *275*
KeyWiz, *276*
Keyworks v. 3.0 and Keyworks Advanced Version, *276*
LAP CAT, *277*
Locator-Dots, *277*
MacKeymeleon II Version 1.0, *278*
MacQWERTY, *278*
MacroMaster/pro *(TI), 334*
Magic Fingers, *279*
Moisture Guard, *279*
NOHOLD, *280*
Notebook Computer Wrist Rest, *280*
OmniKey Keyboards, *281*
On/Off Adaptor Switch, *281*
OneKey *(PA), 747*
PC-Pedal, *282*
PCKey, *282*
PECK Computer Software, *283*
Plastic Keyboard Cover *(KG), 283*
PolyWrist-Wrest, *284*
PowerPad Keyguard *(KG), 284*
PRD+ (Productivity Plus) Basic Edition, *285*
Prefix, *285*
ProKey For DOS, *286*
QuicKeys, *286*
Reinforced Keyguard *(KG), 287*
Repeat Defeat, *287*
Roll & Slide Keyboard Wrist Support, *288*
RotoTyper *(PA,WP), 755*
SafeSkin Keyboard Protector, *288*
SARA Keys, *289*
Stick-On Keylocks, *289*
Stickey, *290*
SuperKey, *290*
T-TAM Keyboard and Mouse Emulator *(EA,IA,MT,TI), 393*
Tempo II Plus, *291*
TimeOut UltraMacros, *291*
Uni-Key, *292*
Verbal Operating System (VOS) 5.0 and VOS Basic *(SV,TO), 427*
ViziFlex Seels, *292*
WRIST PERCH, *293*
ZoomCaps, *293*

Mouse and Touch Pad Emulation {MT}

Special inputs which can be used in place of a standard mouse or touch pad, or any interface (adapter) that allows some special input device to function like a mouse or touchpad.

Access Pack for Microsoft Windows *(IA,KM,TI), 256*
AccessDOS *(IA,KM,TI), 256*
AID+Me Programmable Keyboard *(IA,KM,TI), 299*
AmTRAC *(TI), 300*
BallPoint Mouse *(TI), 301*
C-500 Control System *(EC,TI), 304*
DButton for Windows *(TI), 307*
Easy Access *(KM), 262*
Expert Mouse *(TI), 313*
FastTRAP *(TI), 315*
Felix *(TI), 316*
FreeWheel II Cordless Optical Head Pointer *(TI), 317*
FTG Light Pens *(TI), 317*

Handwriter Recognition System *(TI), 321*
HeadMaster *(TI), 321*
HeadMouse *(TI), 322*
K-U-I *(TI), 327*
Ke:nx *(KE,TI), 327*
KeyMouse *(PA), 738*
LipStick and WordWriter *(TI), 332*
MacTRAC *(TI), 334*
MIKE (Mouse Interface & Keyboard Emulation) *(TI), 336*
Mouse Emulator *(TI), 340*
MousePen *(TI), 341*
MouseStick II *(TI), 341*
MouseTouch *(TI), 342*
Mousing Around, *477*
MVP Mouse *(TI), 343*
NoMouse *(TI), 344*
Optimouse *(TI), 348*
PC-TRAC *(TI), 351*
QUADLynx Trackball *(TI), 356*
Radio Mouse *(TI), 357*
Remote Mouse *(TI), 360*
Revolving Doors *(TI), 360*
Roller Mouse *(TI), 361*
Serial Trackball and PS/2 Trackball *(TI), 363*
Special Needs Tracker Ball & Joystick Module *(TI), 364*
Switchboard *(TI), 365*
SwitchMouse *(TI), 366*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,TI), 393*
Thumbelina *(TI), 367*
Turbo Mouse 4.0 *(TI), 368*
Turbo Trackball *(TI), 368*
Twiddler *(TI), 369*
UnMouse *(TI), 370*

Non-Electronic Communication Aids {NA}

Communication aids which do not involve electricity, as well as materials used in developing non-electronic communication systems. This includes communication boards, eye-gaze boards, pre-printed communication symbols, etc. You can look up non-electronic aids by the symbol system they use in Index 2, under Input Symbol System.

Blissymbol Templates, *65*
Blissymbol Vocabulary Stamps *(CI,ET), 65*
Boardmaker *(AM), 493*
Bradley Board Communication Aid *(CI), 66*
Choice Board *(AS,ET), 66*
Cleo Communication Board *(CI), 67*
Communication Binder *(CI), 67*
Communication Board Builder *(AM), 495*
Communication Folder *(CI), 68*
Communication Sheets *(CI,ET), 68*
Core Picture Vocabulary *(CI,ET), 69*
Core Vocabulary *(CI), 69*
Eye Transfer Communication System *(CI,ET), 70*
Eye-Com *(CI,ET), 70*
Eye-Com Board *(CI,ET), 71*
Food Kit *(CI), 71*
Foto Series *(ET), 72*
Help Me to Help Myself *(CI,ET), 72*
Holiday Kit *(CI,ET), 73*
Illustrated Menu *(CI,ET), 73*
Individualized Communication Systems *(CI,ET), 74*
Life Experiences Communication Kit *(CI,ET), 74*
Long Wallet *(CI), 75*
Mega-Book *(CI), 75*
Mid-Sized Communication Book *(CI), 76*
Mini Picture Set *(CI,ET), 76*
Nu-Vue-Cue *(CI,ET), 77*
Oakland Schools Picture Dictionary *(CI,ET), 77*
Object-Picture Talk Board *(CI,TR), 78*
Opticommunicator *(CI,ET), 78*
Passport Kits *(CI), 79*
PCS Color Stickers *(CI), 79*
PCS Stamps *(CI), 80*
PEACEbook *(CI), 80*
PEACEKEYPER *(CI,EA,TR), 40*
Peacemaker *(CI,EA,TR), 41*
Pick 'n Stick Color Micros *(CI), 81*
Pick 'N Stick Color Packs, *81*
Pick 'N Stick Fast Food, *82*
PICSYMS Categorical Dictionary *(CI,ET), 82*
Picture Communication Symbols, Books I, II & III *(CI,ET), 83*
Picture Prompt Stickers *(CI,ET), 83*
Pictures, Please! *(CI,ET), 84*
Pocket Book *(CI,ET), 84*
Pocket Picture Holder, *85*
Pocket-Sized and Double Pocket-Sized Communication Book *(CI), 85*
Porta Book *(CI), 86*
Portable Communication Boards *(CI), 86*
Practice Communication Cards *(AS,CI,ET), 87*
Select-A-Meal and Shopping Cards, *87*
Self-Talk Communication Boards *(CI), 88*
Self-Talk Stickers *(CI), 88*
Specialist *(CI,EA,TR), 47*
Talking Pictures Communication Board *(CI,ET), 89*
Talking Pictures, Kits I, II, and III *(CI,ET), 89*
TIGER Jr. *(CI,EA,TR), 52*
Touch 'N Talk Communication Board *(CI,ET), 90*
Touch 'N Talk Communication Notebook *(CI), 90*
Touch 'N Talk Communication Stickers *(CI,ET), 91*
Touch 'N Talk Micros *(CI,ET), 91*
Tri-Folder *(CI), 92*
Unipix *(CI,ET), 92*
Zoo Kit *(CI), 93*

Personal Tools or Aids (for Speaking, Writing, Drawing, Controlling, etc.) {PA}

Software programs that are designed to be used on a long term basis by an individual as a personal tool or prosthetic aid. This includes programs which facilitate an individual's ability to communicate, write, draw, control, and move about. It does not include programs whose only function is to provide access to other software; these would be classified under Alternate Inputs Usable with All Software (TI). Some examples of personal tools are: word processing programs with large print, software for enviromental control, and software for communication or conversing by synthesized speech.

Abbreviation/Expansion *(KM,WP), 719*
AbiliCad *(DR,ID), 377*
Apple Programs for the Handicapped *(CI,ET,GA,TR), 555*
AppleWorks Companion *(SV), 719*
Audible Cursor Routine *(CI,TR), 720*
Auto Braille *(BR), 720*
B-Edit *(LP,WP), 721*
B-Pop *(LP), 721*
BEX 3.1 *(BR,LP,SV,WP), 722*
BIG for 1-2-3 *(DS,LP), 722*
BIG for WordPerfect *(LP), 723*
Big Text Machine *(LP), 723*
Braille-Talk *(BR,SV), 724*
Calc-Talk *(CN,LP,SV), 724*
CHPI Apple Tool Kit *(BR,KM,TL,WP), 725*
CINTEX I and II *(EC,GA,PC,WP), 725*
ClasX *(BR), 726*
Co:Writer, *726*
Communication Programs *(CI,EC,TR), 727*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,TR), 728*
Control Without Keyboards *(AS,CI,EA,ET), 98*
Duxbury Braille Editor (Edgar) *(BR), 728*
Duxbury Braille Font, *729*
Duxbury Braille Translator *(BR), 729*

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Dynaread *(WP), 730*
Echo Words PC, *730*
Electronic Talk Board *(CI,ET,ID,TR), 731*
ENCORE! *(WP), 731*
Eye Relief *(LP,WP), 732*
File-Talk *(DS,SV), 732*
Finish Line, *733*
Form-Mate, *733*
FreeBoard *(EC,TI), 734*
FreeComm *(CI,EA), 104*
Freedom Writer *(WP), 734*
Futura-TDD *(CI,PC,TD,TL), 735*
Governor *(GA), 472*
Help U Type and Speak *(CI,EA,KM), 735*
Hot Dots Version 3.01 *(BR), 736*
IBM-VBII *(BR), 736*
inFocus *(LP), 737*
IntelliTalk *(CI), 737*
KeyMouse *(MT), 738*
Keysoft *(CN,SV,WP), 738*
Keyterm *(SV,TL), 739*
Language Master Special Edition *(ET,LP,LS,SV,TO), 409*
Large Print Word Processors *(LP,WP), 739*
Leo's 'Lectric Paintbrush *(DR,ET,RE), 740*
Lingraphica *(CI,CR,EA), 109*
Low Vision Editor (LVE) and LVE23 *(LP,WP), 740*
Mac-Apple Communications Aid *(CI,CN,DR,ES,ET,WP), 741*
MAGic and MAGic Deluxe *(LP), 741*
Magic Slate II *(ET,LP,LS,WP), 629*
MathematiX *(BR,CN), 742*
Me Too!, *742*
MegaDots *(BR,LP), 743*
Message Maker *(CI,EA), 111*
MicroIllustrator *(DR,ET,RE), 743*
MindReader *(WP), 744*
Minspeak Application Programs (MAP) *(CI), 744*
Multi-Line Dial-A-News System *(CI,TD,TL), 745*
NAMES *(BR), 745*
OmniWriter *(WP), 746*
One-Switch Paintbrush *(DR), 746*
OneKey *(KM), 747*
PC Braille *(BR), 747*
PC Sift *(BR), 748*
PC-Voice *(CI,EA,PW,TI), 748*
Peachy Writer Bold *(LP), 749*
PhoneCommunicator *(PC,TD), 749*
PhraseIT *(TI), 750*
Picture Perfect *(DR,RE), 750*
pixCELLS *(BR,DR), 751*
PopComm *(CI,SS), 751*
Predict It *(WP), 752*
ProBraille *(BR), 752*
ProWORDS *(SV,WP), 753*
Public Domain Software *(CN,ES,ET,LS), 658*
Quick Talk *(CI,EA,PC), 113*
Quick Textfile Converter (QTC) *(BR,WP), 753*
Ralph the Reader *(SV), 754*
RAPIDTEXT, *754*
RotoTyper *(KM,WP), 755*
Say It *(CI,EA), 114*
SeeBEEP *(TO), 420*
SenSei *(EC,PC,TI,TL), 363*
Sentence-Scan *(CI,EA,ET), 118*
SIDD (Software Interface for the Deaf and Disabled) *(PC,TD), 755*
SpeechWare *(CI,EA), 119*
SPEX *(SV), 756*
Talking Screen *(CI,EA), 122*
Talking Sensible Speller *(SV), 756*
Talking Symbols *(CI,EA), 757*
Talking Writer & Four Games *(ET,KB,LP,SV,WP), 757*
Telepathic, *758*
Term-Talk *(SV), 758*
Touch & Speak *(CI,ET,TR), 759*
TranscriBEX *(BR,WP), 759*
TRAX PAX Talking Checkbook *(SV), 760*
TRAX PAX Talking File Box *(SV), 760*
TurboBraille *(BR), 761*
Type & Speak *(CI,SV), 761*
Ultimate Banker *(CN,SV), 762*
Ultimate File Cabinet *(DS), 762*
VCS 3500 with TDD Software *(CI,TD,TL), 763*
VERBal STAR *(SV,WP), 763*
VersaBraille Electric Webster, *764*
VersaPoint Graphics *(BR), 764*
ViewKey *(CI,EA), 765*
VisAbility *(LP), 765*
VoiceCAD *(DR,ID), 380*
Watchdog, *766*
Wish Writer *(WP), 766*
Word-Talk *(SV,WP), 767*
Work-Station Pro, *767*
WP Sift *(BR), 768*
Write:OutLoud (J30), *768*

Phone Control/Access {PC}

Products which provide control over the answering or dialing functions of a telephone, or products specifically designed to be used with a telephone. This does not include voice output communication aids or software that could be used to converse on the phone.

Able-Phone 100WA *(EC), 197*
Able-Phone 1900 and 2000 *(EC), 197*
Able-Phone 6000SX *(EC), 198*
ACS Headsets *(EC), 199*
ADAPTA-LAN *(CI,LP,TI,WP), 297*
Adapted Access Speakerphone *(EC), 200*
Amplified Transmitter Handsets *(SA,VA), 3*
Auto Call Single Number Dialer *(CM), 237*
Big Button Telephone *(EC), 202*
Big-Button Phones *(EC), 202*
Butler-in-a-Box *(EC,TI), 203*
Call Alert Model CA-100 *(CM), 238*
CallText 5000 *(SS), 449*
CINTEX I and II *(EC,GA,PA,WP), 725*
Control 1 *(EC), 204*
Custom Speaker Phone *(EC), 205*
DEUCE *(EC,TW), 205*
Environmental Control System *(EC), 208*
Expanded Keyboard for Automatic Telephone *(EC), 209*
Eye Slaved Pointing System *(EC,TI), 314*
Eyegaze Computer System *(EA,EC,TI), 103*
Ez-Control Modular Environmental Control System *(EC), 209*
EZRA *(CI,CM,EC), 210*
F71863 Touch Phone Attachment *(EC), 210*
Fone Holder *(EC), 211*
Futura-TDD *(CI,PA,TD,TL), 735*
GEWA Polycom *(CI,EA,PW,TL,WP), 104*
Giant Push Button Telephone Adapter *(EC), 212*
HAL (Home Automation Link) *(EC,TI), 319*
Handset for Speech Amplification *(SA,VA), 5*
HECS-1 *(EC), 213*
Ideal-Phone *(EC,TL), 213*
Independence VoicePhone *(EC), 214*
InfoTouch *(BD,BR,CI,TD,TL), 129*
LIAISON *(EC,KE,TI), 331*
LUV 1 *(CI,TD,TL), 130*
Mastervoice Environmental Control Single User Unit *(EC), 216*
Memory Button Telephones *(EC), 216*
Memory Printer MP20D *(CI,TD,TL), 131*
MIC300i Computer Modem *(TD,TL), 132*
MicroDEC II *(CM,EC), 217*
Panasonic Answerall 100 *(TD,TL), 134*
Pay Phone TDD *(CI,TD,TL), 134*
Pay Telephone I and II *(CI,TD,TL), 135*
Personal Attendant *(DS,EC,TI,WP), 352*
Phone-TTY CM-4 Computer Modem *(CI,TD,TL), 136*
PhoneCommunicator *(PA,TD), 749*
PROXi *(EC), 220*

Quick Talk *(CI,EA,PA), 113*
RC-3000 Speakerphone *(EC), 221*
Remote Control Speakerphone Model RC3000 *(EC), 223*
Robotic Work Station Attendant *(BP,EC,RC), 223*
Sapura S2000 HF *(EC), 224*
SenSei *(EC,PA,TI,TL), 363*
SIDD (Software Interface for the Deaf and Disabled) *(PA,TD), 755*
SignalMan Control Unit *(CM), 250*
Simplicity Series ECUs *(EC), 226*
Speaker Phones *(EC), 226*
Supercom TDD *(CI,TD,TL), 137*
Superprint 100, 200, 400 *(CI,TD,TL), 137*
Superprint ES TDD *(CI,TD,TL), 138*
Tape-A-Message Mike and Adapted Tape-A-Message *(AS,ET,TR), 51*
TDD 2700, 2730, and 2830 *(CI,TD,TL), 138*
TE 98 Communicator *(CI,TD,TL), 139*
TeleBraille II *(CI,TD,TL), 140*
Telephone Holder & Line Connector *(EC), 227*
Telephone Management System *(EC), 227*
Televox *(SS,TO), 458*
Ultra-Silent *(TD), 140*
Unidialer II *(EC), 230*
Universal Control System with Tongue Touch Keypad *(EC), 231*
Universal Telephone Adapter/Modular Telephone Adapter *(EC), 232*
Virtual Telephone *(EC), 232*

Pointing and Typing Aids {PT}

Devices whose purpose is to facilitate an individual's ability to point to objects or press keys. Headsticks, mouthsticks, and lightbeam pointers are all included in this category. There are other devices useful for pointing and typing which have not been included in this book, however, such as hand splints or typing sticks.

Adjustable Head Pointer, *11*
Adjustable Head Pointer, *11*
Adjustable Head Pointer PC 7590, *11*
Arrow Mouthstick Kit, *12*
Clear-View Head Pointer, *12*
F73216-0136 Page Turner and Cuff *(BP), 12*
H71830 Adjustable Head Pointer, *13*
H73217 Mouth Held Page Turners *(BP), 13*
Handpointers, *13*
Head Pointers: AD-1, AD-2, AD-3, *14*
Heyer-Abadie Modular Mouthstick, *14*
Hybrid Electronic Pointers *(TI), 14*
Light Beam Indicator, *15*
Light Pointer, *15*
Light Pointer, *15*
Media Handling Products *(BP,EC), 475*
Mouthsticks *(BP), 16*
RedLite, *16*
Vacuum Wand *(BP), 16*
Viewpoint Optical Indicator, *17*

Portable Writing {PW}

Portable aids which have a printer or can be connected to one. This includes portable communication aids, as well as portable electronic "notebooks" with braille, voice, or large print output.

Access-I *(CI,TI), 297*
Braille 'n Speak *(BR,SS,SV,TI,TO), 400*
BrailleMate *(BD), 434*
Dvorak One-Hand Typewriter *(CI,EA), 100*
Elobox *(BR,SV,TI,TO), 403*
Equalizer *(CI,DR,EA,RE,TI,TW), 102*
EvalPAC with RealVoice *(AS,CI,EA,EC,TI,TW), 102*
GEWA Polycom *(CI,EA,PC,TL,WP), 104*
Liberator *(CI,CN,EA,TI), 106*
Light Talker *(CI,EA,EC,TI,TW), 106*
Minicom IV *(CI,TD,TL), 133*
Mountbatten Brailler *(BD,BR), 438*
Navigator *(BD,BR,TO), 413*
Notex *(BR,TO,WP), 414*
PC-Voice *(CI,EA,PA,TI), 748*
Porta-Voice *(CI,EA,WP), 112*
Porta-Voice II *(CI,EA,SS,WP), 112*
Prairie Power Portable IIc System, *480*
RealVoice *(AS,CI,EA,EC,TI,TW), 114*
Say-It-All II Plus *(CI,EA,KG), 115*
ScanPAC *(CI,CN,EA,EC,TI,TW), 117*
Scribe *(CI,EA,KG), 117*
Secretary *(CI,TR), 46*
Synergy Computer System *(CI,TI), 366*
Talker II *(CI,EA,KG), 121*
Touch Talker *(CI,EA,EC,TI,TW), 123*
Type 'n Speak *(SV,TO), 426*
Typewriters for the Visually Impaired *(EA), 123*
Zygo Model 100 *(CI,EA,ET,TI,TW), 125*
Zygo scanWRITER *(CI,EA,EC,TI,TW), 125*
Zygo Talking Notebook II *(CI,CN,EA,WP), 126*

Recreation {RE}

Software whose function is to provide recreation. If a program has a game format, but the primary function is education and training, it will also be listed under Education, Training, and Therapy (ET).

Audio Braille Game Tutorial *(BR,ET,GA), 557*
Blazing Paddles *(DR,ET), 561*
Electric Crayon and Electric Crayon Deluxe *(DR,ET), 715*
Equalizer *(CI,DR,EA,PW,TI,TW), 102*
H:1 Handicapped Word Games *(ET,GA,LS), 715*
H:2 Handicapped Arithmetic Flash Cards *(CN,ET,LS), 608*
Hands Free Controller *(GA,TI), 320*
Human Being Machine *(ET), 610*
Leo's 'Lectric Paintbrush *(DR,ET,PA), 740*
Lite Touch *(DR,GA,TI), 333*
Maze *(ET,GA), 634*
MicroIllustrator *(DR,ET,PA), 743*
Motor Training Games *(AS,ET,GA), 716*
Mount Murdoch *(ET,GA), 640*
Mouth Operated Joystick for Nintendo *(GA,TI), 342*
Picture Perfect *(DR,PA), 750*
PowerPad *(DR,TI), 354*
Race the Clock *(ET,GA), 659*
SwitchEnsemble *(ET,TR), 685*
Talking Games #1 *(GA,SV), 716*
TouchWindow *(DR,DS,ID,WP), 380*

Robotic Control {RC}

Robotic Work Station Attendant *(BP,EC,PC), 223*

Screen (Display) to Voice {SV}

Software or hardware which will read the contents of the computer screen through a voice synthesizer, so that the software can be operated by a user who cannot see the computer screen. This includes "screen access" hardware or software, which provides voice output of screen information for any standard software the user is running (see Alternate Display System Usable with All Software, TO). It also includes individual application programs that provide sufficient voice output to be used by a visually impaired person.

APH/SEI Talking Software *(ET,LS), 554*
AppleWorks Companion *(PA), 719*
Arithmetic 1, 2, and 3 with Speech *(AR,CN,ET,LS), 556*
Artic TransPort *(SS), 448*
Artic Vision *(TO), 398*

ASAP (Automatic Speech Access Program) *(TO), 398*
Avalon Computers *(TO), 399*
BEX 3.1 *(BR,LP,PA,WP), 722*
Braille 'n Speak *(BR,PW,SS,TI,TO), 400*
Braille-Talk *(BR,PA), 724*
Business Vision *(TO), 401*
Calc-Talk *(CN,LP,PA), 724*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,TR,WP), 727*
Elementary Volume 1 - Mathematics *(CN,ET,LS), 593*
Elobox *(BR,PW,TI,TO), 403*
Enable Reader Professional Speech System *(TO), 403*
File-Talk *(DS,PA), 732*
Flipper *(TO), 404*
Freedom 1 *(TO), 404*
Fun With Math *(CN,ET), 604*
Gizmo *(LP,TO), 405*
HandiCHAT and HandiCHAT Deluxe *(TO), 405*
HandiCODE and HandiCODE Deluxe *(TI), 320*
IBM Screen Reader/2 *(TO), 406*
IBM Screen Reader/DOS *(TO), 406*
IRIS Reading Interface *(TI), 326*
Isos (Interactive Speech Operating System) *(TO), 408*
JAWS Screenreader *(TO), 408*
Keys to Success: Comp. Keybd. Skills for Blind Children *(ET,KB), 621*
Keysoft *(CN,PA,WP), 738*
Keyterm *(PA,TL), 739*
Language Master Special Edition *(ET,LP,LS,PA,TO), 409*
Letter Find *(CN,ES,ET,KB), 627*
Master Talker *(AP), 475*
MasterTOUCH *(TO), 413*
outSPOKEN 1.7 *(TO), 416*
Protalk *(TO), 418*
ProTERM *(TE,TO), 419*
PROVOX *(TO), 419*
ProWORDS *(PA,WP), 753*
Ralph the Reader *(PA), 754*
SCAT (Screen Articulator) *(TO), 420*
Sight Word Spelling *(ET,LS), 670*
SKERF-Pad *(TO), 421*
Slimware *(TO), 421*
Slimware Window Bridge *(TO), 422*
Soft Vert *(TO), 422*
SoundProof *(SS,TO), 423*
Speaking Speller *(ET,LS), 676*
Speaqualizer *(TO), 423*
Spell-Talk *(ET,LS), 679*
SPEX *(PA), 756*
Talking Games #1 *(GA,RE), 716*
Talking Public Domain Disks *(ET,LS,VO), 688*
Talking Riddles *(ET,LS), 689*
Talking Sensible Speller *(PA), 756*
Talking Writer & Four Games *(ET,KB,LP,PA,WP), 757*
Tall Talk Prints v. 2 *(LP,TO), 424*
Term-Talk *(PA), 758*
TEXTALKER *(ET,TO), 424*
TinyTalk *(TO), 425*
TRAX PAX Talking Checkbook *(PA), 760*
TRAX PAX Talking File Box *(PA), 760*
Type & Speak *(CI,PA), 761*
Type 'n Speak *(PW,TO), 426*
Ultimate Banker *(CN,PA), 762*
Verbal Operating System (VOS) 5.0 and VOS Basic *(KM,TO), 427*
VERBal STAR *(PA,WP), 763*
Vert Plus *(TO), 428*
VIC-Talker / 64-128 Talker *(SS), 461*
Vocal-Eyes *(TO), 429*
Western Center Echo Synthesizer Package, *486*
Word-Talk *(PA,WP), 767*
Write *(CI,ET,LS), 710*

Signing {SI}

Products that employ sign language for people who are deaf (fingerspelling, ASL, etc.).

CAV-ASL *(ET), 567*
Elementary Signer *(ET), 593*
Fingerspeller *(ET), 598*
Fingerspeller and Fingernumbers *(AR,AS,ET), 598*
FingerZoids *(ET,GA), 599*
Talking Hands *(ET), 686*

Speech Aids {SA}

Devices that make oral speech possible for a person for whom oral speech would otherwise be difficult, impossible, or hard to understand. These should not be confused with communication aids, which supplement or replace oral speech with some other mode of communication, such as pointing to pictures or typing on a portable computer.

ADDvox II System *(CI,VA), 3*
Amplified Transmitter Handsets *(PC,VA), 3*
Cooper-Rand Electronic Speech Aid *(AL), 3*
Edinburgh Masker, *4*
Electronic Artificial Larynx *(AL), 4*
Electronic Speech Clarifiers, *4*
Handset for Speech Amplification *(PC,VA), 5*
Neovox *(AL), 5*
Park Speech Amplifier *(VA), 5*
Passy-Muir Speaking Valves, *6*
Rand Voice Amplifier *(VA), 6*
SERVOX Inton *(AL), 6*
Speechmaker *(VA), 7*
SPKR *(AL), 7*
Tokyo Artificial Larynx *(AL), 7*
Voicette *(VA), 8*

Speech Synthesizers {SS}

Hardware or software products that generate synthetic human speech. Together with a "text-to-speech" program (frequently provided with the synthesizer), these devices can produce phonetically correct speech from electronic text. These synthesizers are components designed to be used by other application programs. You can locate products (including software) that have speech output by looking in Index 2, under Output/Display: Speech.

Accent-1600, *445*
Accent-MC, *445*
Accent-Mini, *446*
Accent-PC, *446*
Accent-SA, *447*
Accent-SX, *447*
Artic TransPort *(SV), 448*
Audapter Speech System, *448*
Braille 'n Speak *(BR,PW,SV,TI,TO), 400*
CallText 5000 *(PC), 449*
DAC *(CI,EA), 99*
DECtalk, *449*
DECtalk PC *(TO), 402*
DoubleTalk, *450*
Echo II, *450*
Echo LC, *451*
Echo PCII, *451*
Echo-PC, *452*
Handy Speech Communication Aide *(CI,EA), 105*
IntroVoice VI *(TI), 325*
Keynote GOLD, *452*
Micro IntroVoice *(TI), 336*
MultiVoice, *453*
Personal Speech System, *453*
PopComm *(CI,PA), 751*

Porta-Voice II *(CI,EA,PW,WP), 112*
RealVoice PC, *454*
Slotbuster II, *454*
Sounding Board, *455*
SoundProof *(SV,TO), 423*
Speech Thing, *455*
SynPhonix 210 and 215 *(IA), 456*
SynPhonix 220 and 225 *(IA), 456*
SynPhonix 230 and 235, *457*
SynPhonix 250 and 255, *457*
SynPhonix 310 and 315, *458*
Televox *(PC,TO), 458*
Type-'N-Talk, *459*
Ufonic Voice System *(ET), 459*
Verbette Mark I, *460*
Verbette Mark II, *460*
VIC-Talker / 64-128 Talker *(SV), 461*
VocaLite, *461*
Voice Master Key System and Key System II *(ID,TI), 371*

Speech Therapy (not Language Therapy) {ST}

Products designed to facilitate the development of oral speech skills. This does not include language skill development, which has its own code (Language Therapy, LT).

Anivox Computer Speech System *(AS,ET), 553*
Assessment of Intelligibility of Dysarthric Speech *(AR,AS), 530*
CAFET for KIDS *(ET), 565*
Computer Analysis of Phonological Deiations (CAPD) *(AM,AR), 496*
Computer-Aided Fluency Establishment Trainer (CAFET) *(ET), 580*
CSL (Computerized Speech Lab) Model 4300 *(AS), 532*
Laryngograph *(AS,ET), 623*
MacSpeech Lab *(ET), 629*
Minimal Contrast Therapy *(AR,ET), 637*
Nasometer *(AS,ET), 643*
PEPPER *(AM,AR), 511*
Phonological Process Tutor *(AM,ET), 512*
Practice Speech *(ET), 655*
Process Analysis Version 2.0 *(AR,AS), 537*
Rate Drill in Articulation, Language and Fluency *(ET,LT), 660*
Say & See *(AS,ET), 539*
Sensimetrics SpeechSfation *(AS), 540*
Slow Speech *(ET), 673*
SpeechViewer *(ET), 677*
SpeechViewer II *(AM,ET), 678*
Video Voice Speech Training System *(AR,ET), 702*
Visi-Pitch Model 6095/6097 *(AR,ET), 702*
Voice Activated Graphics *(ET), 704*

Telecommunication {TL}

Products designed to facilitate nonspeech communication over telephone lines. For speech communication, see Phone Control (PC) and Conversation/Interaction (CI).

CHPI Apple Tool Kit *(BR,KM,PA,WP), 725*
Futura-TDD *(CI,PA,PC,TD), 735*
GEWA Polycom *(CI,EA,PC,PW,WP), 104*
Ideal-Phone *(EC,PC), 213*
InfoTouch *(BD,BR,CI,PC,TD), 129*
Intele-Modem *(CI,TD), 130*
Keyterm *(PA,SV), 739*
LUV 1 *(CI,PC,TD), 130*
Memory Printer MP20D *(CI,PC,TD), 131*
Memory Printer MP20DX *(CI,TD), 131*
Memory Printer Plus *(CI,TD), 132*
MIC300i Computer Modem *(PC,TD), 132*
Minicom IV *(CI,PW,TD), 133*
Multi-Line Dial-A-News System *(CI,PA,TD), 745*
NexCom I *(CI,TD), 133*
Panasonic Answerall 100 *(PC,TD), 134*
Pay Phone TDD *(CI,PC,TD), 134*
Pay Telephone I and II *(CI,PC,TD), 135*
Personal Communication Terminal (PCT) *(CI,TD), 135*
Phone-TTY CM-4 Computer Modem *(CI,PC,TD), 136*
Porta View Model PV20, PV20D, PV20+ *(CI,TD), 136*
SenSei *(EC,PA,PC,TI), 363*
Supercom TDD *(CI,PC,TD), 137*
Superprint 100, 200, 400 *(CI,PC,TD), 137*
Superprint ES TDD *(CI,PC,TD), 138*
TDD 2700, 2730, and 2830 *(CI,PC,TD), 138*
TE 98 Communicator *(CI,PC,TD), 139*
TeleBraille II *(CI,PC,TD), 140*
VCS 3500 with TDD Software *(CI,PA,TD), 763*

Telecommunication Devices for the Deaf (TDD's) {TD}

Devices which have been specifically designed for deaf individuals to communicate over telephone lines. It includes systems which use ASCII code (a standard computer code), Baudot code (the traditional TDD code), touch tones or voice to transfer information. Telewriters are also included.

Compact TDD, *129*
Futura-TDD *(CI,PA,PC,TL), 735*
InfoTouch *(BD,BR,CI,PC,TL), 129*
Intele-Modem *(CI,TL), 130*
LUV 1 *(CI,PC,TL), 130*
Memory Printer MP20D *(CI,PC,TL), 131*
Memory Printer MP20DX *(CI,TL), 131*
Memory Printer Plus *(CI,TL), 132*
MIC300i Computer Modem *(PC,TL), 132*
Minicom IV *(CI,PW,TL), 133*
Multi-Line Dial-A-News System *(CI,PA,TL), 745*
NexCom I *(CI,TL), 133*
Panasonic Answerall 100 *(PC,TL), 134*
Pay Phone TDD *(CI,PC,TL), 134*
Pay Telephone I and II *(CI,PC,TL), 135*
Personal Communication Terminal (PCT) *(CI,TL), 135*
Phone-TTY CM-4 Computer Modem *(CI,PC,TL), 136*
PhoneCommunicator *(PA,PC), 749*
Porta View Model PV20, PV20D, PV20+ *(CI,TL), 136*
SIDD (Software Interface for the Deaf and Disabled) *(PA,PC), 755*
Supercom TDD *(CI,PC,TL), 137*
Superprint 100, 200, 400 *(CI,PC,TL), 137*
Superprint ES TDD *(CI,PC,TL), 138*
TDD 2700, 2730, and 2830 *(CI,PC,TL), 138*
TDD Communication Trainer System *(CI,TR), 52*
TDD Detector, *139*
TE 98 Communicator *(CI,PC,TL), 139*
TeleBraille II *(CI,PC,TL), 140*
Ultra-Silent *(PC), 140*
VCS 3500 with TDD Software *(CI,PA,TL), 763*

Terminal Emulators (Special Only) {TE}

Devices or software that function as a terminal to a mainframe computer, and have been specially adapted to the needs of disabled computer users.

ProTERM *(SV,TO), 419*

Training and Communication Initiation Aids {TR}

Electric and electronic devices which can be used to initiate communication or train individuals in the use of switches, selection techniques, and other augmentative communication skills. This code also covers software that performs these same functions. Electronic communication aids with less than 32 selections are included in this category because of their limited maximum vocabulary. Rotary scanners and linear scanners are also included.

90-A Timer and CTR-1 Counter *(AS,EC,ET), 21*
Ability Switch Tester *(AS,ET), 21*
AC Adaptor FRE-103C, *22*
Accularm *(CM), 237*
Active Stimulation Programmer *(AS,EC,ET), 22*
Active Therapy System (ACTS) *(AS,EC,ET), 551*
Activity Board *(AS,EC), 23*
Adult Switch Progressions *(ET), 551*
AND Module, *23*
And Or Box *(AS), 24*
Apple Programs for the Handicapped *(CI,ET,GA,PA), 555*
Audible Cursor Routine *(CI,PA), 720*
Audio Control Unit Model 112 *(AS), 24*
Battery Adapter *(AS,ET), 25*
Battery Device Adapter *(AS,ET), 25*
Battery Interface *(AS,ET), 26*
Battery Interrupter *(AS,ET), 26*
Battery Interrupters, *27*
Beeper *(AS,CM), 238*
Call Bell *(AS,CM), 239*
Call Signal 2 *(AS,CM), 240*
Catch the Cow *(AS), 531*
Chime Alarm *(AS,CM), 240*
Chime Box, *27*
Clock Communicator *(AS,CI,ET), 28*
Comboard *(AS,CI,ET), 28*
Communication Programs *(CI,EC,PA), 727*
Communiclock *(AS,CI,ET), 29*
Compartmentalized Communicator *(AS,CI,ET), 29*
Computer Activated Environmental Control Unit *(AS), 30*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA), 728*
Control Unit Model 102 *(AS), 30*
Control Unit Model 201 *(AS), 31*
Counter Box *(AS), 31*
Counter Module *(AS,ET), 32*
Creature Antics and Creature Capers *(ET,GA), 583*
Creature Chorus *(ET), 584*
Creature Features *(ET), 584*
Delay Timer DT-1 *(AS,EC,ET), 32*
Dial Scan *(AS,CI,ET), 33*
Dinosaur Game *(ES,ET,GA), 586*
Dual Channel Latching Switch Interface *(AS,EC,ET), 33*
Dual Clock Communicator *(CI), 34*
Dual Switch Latch and Timer *(AS,EC,ET), 34*
E-Tran Scanner *(AS,CI,ET), 35*
Electronic Talk Board *(CI,ET,ID,PA), 731*
Emergency Call Alarm *(AS,CM), 242*
Environmental Control *(EC), 207*
Expanded Keyboards for Speak N' Spell *(EA,ET), 103*
Flexi-Formboard, *35*
I Can Talk *(CI,ES,ET,LT), 611*
Interaction Games *(ES,ET,GA), 614*
Interaction Games II *(ES,ET,GA), 615*
Interchangeable Music Puzzle/Switch, *36*
IntroTalker *(CI,EA,ET), 105*
Invertor Module *(AS), 36*
Joystick Trainer *(ET), 618*
Keypad *(AS), 37*
Keypad Trainer *(AS), 37*
Latch Box, *38*
Lighted Extra Loud Signalling Buzzer *(AS,CM), 244*
Lighted Signalling Buzzer *(AS,CM), 245*
Lighted Vibrating Signalling Buzzer *(AS,ET), 38*
Mini Talking Card Reader *(CI,ET), 39*
Motor Training Games *(ET,GA), 639*
Multiswitch Module *(AS), 39*
Object-Picture Talk Board *(CI,NA), 78*
Parrot *(CI), 40*
PEACEKEYPER *(CI,EA,NA), 40*
Peacemaker *(CI,EA,NA), 41*
Perceptual Motor Trainer *(AS,ET), 41*
Pictalk *(CI,ES,ET), 649*
Picture Scanner *(ET), 650*
Picture/Theme Disks *(ET), 650*
PigTail Adapters, *42*
Play and Match *(AS,ET,ID), 652*
Point to Pictures *(ET), 653*
PowerTalker *(ET), 654*
Pressure Release Alert *(CM), 249*
Push-On-Push-Off Module *(AS,EC,ET), 42*
Puzzle Switches *(AS), 43*
Puzzle Switches, *43*
Quad Talk *(AS,ET), 44*
Rhythm Generator *(AS), 44*
Rockets to the Moon *(ES,ET,GA), 664*
Rotary Communication Scanner *(AS,CI,ET), 45*
Round Clock Communicator *(CI), 45*
Say-It-Simply Plus *(CI,EA,ET), 115*
Scan & Speak *(CI,ET), 666*
Secretary *(CI,PW), 46*
Sequential Scanner *(AS,CI,ET), 46*
Series Adapter *(AS), 47*
Signal Buzzer *(AS,CM), 249*
SimpleCom I: Yes/No Communication *(CI,ET), 672*
SimpleCom II: Needs/Wants Communication *(CI,ET), 672*
Single Choice Toy Program *(ET), 673*
Single Switch Assessment Program for IBM *(AS,ET), 541*
Specialist *(CI,EA,NA), 47*
Speller Teller Communicators *(AS,CI,ET), 48*
Steeper Communication/Teaching Aid *(AS,CI), 48*
Switch Latch *(AS,EC,ET), 49*
Switch Latch and Timer, *49*
Switch Latch/Timer *(AS), 50*
Switch Latcher SWL-1 and Double Switch Latcher DSL-2 *(AS), 50*
Switch Training Program and Communication Training Pgm. *(ET,LS), 685*
SwitchEnsemble *(ET,RE), 685*
Symbol Training Display *(AS,ET), 51*
Talk-O *(CI,EA), 121*
Talking Keys *(ET), 687*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,ET), 688*
Talking Touch Window *(AS,CI,ET), 689*
Talking Toys *(ET), 690*
Tape-A-Message Mike and Adapted Tape-A-Message *(AS,ET,PC), 51*
Target *(AS,CI,ET), 690*
TDD Communication Trainer System *(CI,TD), 52*
This is the Way We Wash Our Face *(ES,ET), 693*
TIGER Jr. *(CI,EA,NA), 52*
Timer Module *(AS,EC,ET), 53*
Tone Switch Box *(AS,ET), 53*
Touch & Speak *(CI,ET,PA), 759*
Touch Com *(AS,CI,ET), 542*
Toy Adapter *(AS), 54*
Toy Adapter Cables: CA-9/CA-12/CA-16 *(AS,ET), 54*
Toy Cable *(AS,ET), 55*
Trace Beeper Box, *55*
Training Aid 2 *(AS,EC,ET), 56*
Tri-Responder *(AS,ET), 56*
Variable Position Scanner *(AS,CI,ET), 57*
Versascan *(AS,CI,ET), 57*
Vibrating Sack *(AS,ET), 58*
VoiceMate, SwitchMate, ScanMate, *58*
Wheels On The Bus I, II, and III *(ES,ET), 706*
Worm Squirm *(ES,ET), 709*
WPS Loquitur 115 and 250, *59*

Yes-No Voice Box *(CI,EA), 59*
Zygo Model 16C-JK *(AS,CI,ET), 60*
Zygo Model 20 *(AS,CI,ET), 60*
Zygo Model 21S *(AS,CI,ET), 61*

Vocational {VO}

Software designed to teach or assess vocational skills, to assist in vocational placement, or to manage vocational programs.

Babysitting Basics *(ET), 558*
Compute-A-Match *(AS), 532*
Data Entry *(ET), 586*
English on the Job *(AM,AS,ET), 594*
EZ-D.O.T. *(AM), 502*
Job Readiness Series *(AS,ET), 615*
Job Search and Local Job Bank *(AR,AS), 535*
Job Success Series *(ET), 616*
Math on the Job *(AM,AS,CN,ET), 632*
Microcomputer Evaluation of Career Areas (MECA) *(AS), 536*
Reasoning Skills on the Job *(AM,AS,ET), 662*
Spectrum I *(AM,AR), 517*
Talking Public Domain Disks *(ET,LS,SV), 688*
Valpar System 2000 *(AM,AS), 522*
Vertex System *(AM), 522*
VOC Report *(AM,AR), 523*

Voice Amplifiers {VA}

Small portable audio amplifiers designed to increase the volume of a person's voice. These are products for people with weak or soft speech, not hearing aids or other amplifiers for hearing impaired people.

ADDvox II System *(CI,SA), 3*
Amplified Transmitter Handsets *(PC,SA), 3*
Handset for Speech Amplification *(PC,SA), 5*
Park Speech Amplifier *(SA), 5*
Rand Voice Amplifier *(SA), 6*
Speechmaker *(SA), 7*
Voicette *(SA), 8*

Word Processing (Writing) {WP}

Software or devices which have specific features designed for writing, storing, retrieving and editing text. Simple programs that allow the user to compose text but not to store, edit and manipulate it do not qualify as word processing programs. This code only includes programs or devices especially designed for disabled computer users. Special input and output systems (See Alternate Inputs and Alternate Display Systems, above) can be used to gain access to standard commercial word processing programs.

Abbreviation/Expansion *(KM,PA), 719*
ADAPTA-LAN *(CI,LP,PC,TI), 297*
B-Edit *(LP,PA), 721*
BEX 3.1 *(BR,LP,PA,SV), 722*
Big Letters *(ET,LP,LS), 560*
CHPI Apple Tool Kit *(BR,KM,PA,TL), 725*
CINTEX I and II *(EC,GA,PA,PC), 725*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR), 727*
Dr. Peet's Talk/Writer *(ET,LP,LS), 587*
DragonDictate *(TI), 308*
Dynaread *(PA), 730*
EDACTS Keyboard *(CI,EC,TI), 309*
ENCORE! *(PA), 731*
Eye Relief *(LP,PA), 732*
Freedom Writer *(PA), 734*
GEWA Polycom *(CI,EA,PC,PW,TL), 104*
GhostWRITER *(AM), 504*
Keyboarding with One Hand *(ET,KB), 620*
Keysoft *(CN,PA,SV), 738*
Kidsword *(ET,LP), 622*
Large Print Word Processors *(LP,PA), 739*
Low Vision Editor (LVE) and LVE23 *(LP,PA), 740*
Mac-Apple Communications Aid *(CI,CN,DR,ES,ET,PA), 741*
Magic Slate II *(ET,LP,LS,PA), 629*
MindReader *(PA), 744*
Notex *(BR,PW,TO), 414*
OmniWriter *(PA), 746*
Personal Attendant *(DS,EC,PC,TI), 352*
Porta-Voice *(CI,EA,PW), 112*
Porta-Voice II *(CI,EA,PW,SS), 112*
Portable Typewriters and Handheld Computers *(CM,EA), 113*
Predict It *(PA), 752*
ProWORDS *(PA,SV), 753*
Quick Textfile Converter (QTC) *(BR,PA), 753*
RotoTyper *(KM,PA), 755*
Speech Secretary Systems *(TI), 364*
Story-Ware *(ET), 681*
Talking Literacy Kit for the Apple IIe (TALK) *(ET,GA,KB), 687*
Talking Writer & Four Games *(ET,KB,LP,PA,SV), 757*
TouchWindow *(DR,DS,ID,RE), 380*
TranscriBEX *(BR,PA), 759*
VERBal STAR *(PA,SV), 763*
Wish Writer *(PA), 766*
Word-Talk *(PA,SV), 767*
Zygo Talking Notebook II *(CI,CN,EA,PW), 126*

Index 2

Products Listed by Input/Output Feature

This index includes lists of products (except switches) according to certain input and output features. Each list includes any product in the book with that feature. Products are arranged alphabetically within each list. The function codes assigned to that product follow in parentheses. Switches are listed separately in Index 3.

For example, if you are looking for a word processing program with both large print and synthesized speech output, you would go to the list titled "Output Display: Large Print." As you look through the list you would note those products with the function codes WP (word processing) and SV (screen display to voice). By searching in this manner you would identify five programs that meet the function/feature criteria. You would then go to the individual product descriptions to check on the type of computer, age appropriateness, additional features, etc. Once the search has been narrowed, call the manufacturer for up-to-date information on the product.

Titles of product lists in this index:

Input Expand/Accel: Abbreviation Expansion
Input Expand/Accel: Encoding (Chart or Memory Based)
Input Expand/Accel: Levels or Pages
Input Expand/Accel: Morse
Input Expand/Accel: Predictive

Input Method: Directed Scanning
Input Method: Scanning

Input Symbol System: Auditory Presentation (eg Auditory Scanning)
Input Symbol System: Bliss Symbols
Input Symbol System: Photos/Pictures/Line Drawings
Input Symbol System: User Selectable Symbols
Input Symbol System: Whole Words

Input Type: Air (Sip/Puff)
Input Type: Contact (Zero Pressure)
Input Type: Eye Movement and Eye Gaze
Input Type: Head Controlled
Input Type: Input Jack - Accepts Any Switch
Input Type: Joystick/Wobblestick
Input Type: Light Sensitive (Optical)
Input Type: Movement Activated
Input Type: Noise (Sound or Vocalization)
Input Type: OCR (Optical Character Recognition)
Input Type: Pressure Sensitive
Input Type: Speech Recognition
Input Type: Wireless

Output/Display: Braille Printer
Output/Display: Deaf Baudot (for TDD's)
Output/Display: Ideographic/Pictographic Symbols
Output/Display: Large Print
Output/Display: Modem (ASCII)
Output/Display: Speech Output
Output/Display: Tactile/Braille Display (Dynamic)

Switch Inputs: Uses Analog Control
Switch Inputs: Uses Dual Switch
Switch Inputs: Uses Joystick (4 or 5 Switches)
Switch Inputs: Uses Multiple Switches (3 to 16 Switches)
Switch Inputs: Uses Single Switch

Function codes which may appear in parentheses after items in this index:

AD	Activities of Daily Living
AL	Artificial Larynx
AM	Administration or Management
AP	Authoring Program
AR	Analysis or Reporting Software
AS	Assessment (Evaluation)
BD	Braille Printer or Tactile Display Component
BP	Book/Paper Handling
BR	Braille
CI	Conversation/Interaction
CM	Call, Monitoring, or Memory System
CN	Calculation/Math Aid
CR	Cognitive Rehabilitation
DR	Drawing
DS	Database Management/Spreadsheet
EA	Electronic Communication or Writing Aid
EC	Environmental Control
ES	Early Skills (Pre-Reading)
ET	Education, Training, or Therapy
GA	Game
IA	Input Adapter for Computer
ID	Input Device Usable with Only Some Software
IE	IEP or IPP
KB	Keyboarding Training Program
KE	Keyboard Emulating Interface
KG	Keyguard
KM	Modification for Standard Keyboard
LP	Large Print Output
LS	Later Skills (Includes Reading)
LT	Language Therapy/Development
MT	Mouse or Touch Pad Emulation
NA	Non-Electronic Communication Aid
PA	Personal Tool or Aid (for Speaking, Writing, Drawing, Controlling, etc.)
PC	Phone Control/Access
PT	Pointing or Typing Aid
PW	Portable Writing
RC	Robotic Control
RE	Recreation
SA	Speech Aid
SI	Signing
SS	Speech Synthesizer
ST	Speech Therapy (not Language Therapy)
SV	Screen (Display) to Voice
TD	Telecommunication Device for the Deaf (TDD)
TE	Terminal Emulator (Special Only)
TI	Alternate Input Usable with All Software
TL	Telecommunication
TO	Alternate Display System Usable with All Software
TR	Training or Communication Initiation Aid
TW	Alternate Input Adaptable for Use with All Software (Transparent With)
VA	Voice Amplifier
VO	Vocational
WP	Word Processing (Writing)

Input Expand/Accel: Abbreviation Expansion

System whereby the user types a short series of characters (letters, numbers, etc.) and this short series of characters (the abbreviation) triggers a longer series of characters (the expansion). Sometimes known as a "macro."

Abbreviation/Expansion *(KM,PA,WP), 719*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
AutoKey 20/20 *(KM), 257*
BAT *(TI), 302*
Bloorview Miniature Keyboard *(TI), 302*
Crestalk *(CI,EA), 99*
E Z Keys *(EC,KM), 262*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
FreeBoard *(EC,PA,TI), 734*
GEWA FTB 108 Enlarged Keyboard *(TI), 318*
GEWA METB 121 Reduced Size Keyboard *(TI), 319*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
Hearsay Gold *(TI), 322*
IBM VoiceType 2 *(TI), 324*
KeyWiz *(KM), 276*
Keyworks v. 3.0 and Keyworks Advanced Version *(KM), 276*
LIAISON *(EC,KE,PC,TI), 331*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightWRITER SL30 *(CI,EA), 107*
LightWRITER SL81 and SL82 *(CI,EA), 108*
MacroMaster/pro *(KM,TI), 334*
Magic Fingers *(KM), 279*
Mastervoice Environmental Control Single User Unit *(EC,PC), 216*
OneKey *(KM,PA), 747*
PC-Voice *(CI,EA,PA,PW,TI), 748*
Porta-Voice *(CI,EA,PW,WP), 112*
PRD+ (Productivity Plus) Basic Edition *(KM), 285*
ProKey For DOS *(KM), 286*
ProTERM *(SV,TE,TO), 419*
QuicKeys *(KM), 286*
RealVoice *(AS,CI,EA,EC,PW,TI,TW), 114*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
Scribe *(CI,EA,KG,PW), 117*
Soft Vert *(SV,TO), 422*
SuperKey *(KM), 290*
Switch-Back *(ID), 379*
Tempo II Plus *(KM), 291*
TimeOut UltraMacros *(KM), 291*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
Twiddler *(MT,TI), 369*
Verbal Operating System (VOS) 5.0 and VOS Basic *(KM,SV,TO), 427*
Vert Plus *(SV,TO), 428*
Voice Express *(TI), 371*
WiViK (Windows Visual Keyboard) *(TI), 373*
Zygo Talking Notebook II *(CI,CN,EA,PW,WP), 126*

Input Expand/Accel: Encoding (Chart or Memory Based)

A system for allowing the number of possible selections to be greater than the number of selection areas (such as keys on keyboard). The user enters a code (often a series of digits) in order to make a selection. A communication aid with a ten-key keyboard, for example, could be used to access 1000 items of vocabulary, each with a three-digit code.

Apple Demo Disk *(AS,ET), 555*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
FreeWheel Head Pointer System *(TI), 316*
Help U Type and Speak *(CI,EA,KM,PA), 735*
Liberator *(CI,CN,EA,PW,TI), 106*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
Message Maker *(CI,EA,PA), 111*
Quick Talk *(CI,EA,PA,PC), 113*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
VOIS 160 *(CI,EA), 124*

Input Expand/Accel: Levels or Pages

A system for allowing the number of possible selections to be greater than the number of selection areas (such as keys on a keyboard). The system has a number of different meanings for each key, depending upon the "level" (or "page") active. To make a selection, the user picks the desired level and the desired key.

Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
DAC *(CI,EA,SS), 99*
DynaVox *(CI,EA), 101*
Electronic Talk Board *(CI,ET,ID,PA,TR), 731*
Equalizer *(CI,DR,EA,PW,RE,TI,TW), 102*
GEWA FTB 108 Enlarged Keyboard *(TI), 318*
GEWA METB 121 Reduced Size Keyboard *(TI), 319*
HandiKEY and HandiKEY Deluxe *(KM), 266*
IntroTalker *(CI,EA,ET,TR), 105*
LIAISON *(EC,KE,PC,TI), 331*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
Lingraphica *(CI,CR,EA,PA), 109*
MegaWolf *(CI,EA), 110*
RotoTyper *(KM,PA,WP), 755*
Say & See *(AS,ET,ST), 539*
Say It *(CI,EA,PA), 114*
Say-It-All II Plus *(CI,EA,KG,PW), 115*
Special Friend Speech Prosthesis *(CI,EA), 119*
Talker II *(CI,EA,KG,PW), 121*
Target *(AS,CI,ET,TR), 690*
Touch & Speak *(CI,ET,PA,TR), 759*
Touch Com *(AS,CI,ET,TR), 542*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
Voice Express *(TI), 371*
WhisperWolf *(CI,EA), 124*
WiViK (Windows Visual Keyboard) *(TI), 373*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

Input Expand/Accel: Morse

System where the user indicates selections by Morse code. "Dot and dash" patterns are assigned to each possible choice. Frequently done with one or two switches.

Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
ALTKEY *(TI), 299*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR,WP), 727*
DARCI TOO *(TI), 306*
DEUCE *(EC,PC,TW), 205*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
ezMorse *(TI), 314*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
Morse Code WSKE II *(TI), 339*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
Scan Com *(CI,EA), 116*
Scanning WSKE II *(TI), 362*

Input Expand/Accel: Predictive

A system that predicts what character the user will type next. A typical predictive system will provide the user with possible completions of a word that the user has begun typing. If the correct word appears, the user can immediately select it, and need not finish typing it.

Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
CINTEX I and II *(EC,GA,PA,PC,WP), 725*
Co:Writer *(PA), 726*
E Z Keys *(EC,KM), 262*
Equalizer *(CI,DR,EA,PW,RE,TI,TW), 102*
Finish Line *(PA), 733*
FreeBoard *(EC,PA,TI), 734*
HandiWORD and HandiWORD Deluxe *(KM), 267*
Help U Type *(KM), 267*
IBM VoiceType 2 *(TI), 324*
Keycache *(KM), 271*
KeyWiz *(KM), 276*
Liberator *(CI,CN,EA,PW,TI), 106*
MindReader *(PA,WP), 744*
Mouse Keys *(TI), 340*
OmniWriter *(PA,WP), 746*
One Access *(IA,TI), 346*
OneKey *(KM,PA), 747*
PC-Voice *(CI,EA,PA,PW,TI), 748*
PhraseIT *(PA,TI), 750*
PopComm *(CI,PA,SS), 751*
Porta-Voice *(CI,EA,PW,WP), 112*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
Pre-Dict-ate *(TI), 355*
Predict It *(PA,WP), 752*
Revolving Doors *(MT,TI), 360*
RotoTyper *(KM,PA,WP), 755*
ScreenDoors *(TI), 362*
SpeedScan *(TI), 365*
Telepathic *(PA), 758*
Wish Writer *(PA,WP), 766*

Input Method: Directed Scanning

Scanning systems using a row-and-column grid of choices, with a directional control (such as a joystick). The user can move in any desired direction to arrive at a selection.

Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
DynaVox *(CI,EA), 101*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
Proportional Keystroke Scanner *(TI), 356*
Scan-It-All *(CI,EA,EC), 116*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
Switchboard *(CI,EA,ET), 120*
X-10 Home Control Interface *(EC), 233*

Input Method: Scanning

A selection technique whereby choices are presented to the user sequentially, and the user indicates when the right choice is arrived at (usually by activating a switch). To indicate choices, the scanning system may have a clock hand, a series of lights that light sequentially, or (on a computer screen) a moving cursor. Scanning may employ one, two or more switches, and may be done with a variety of techniques (automatic, row-and-column, etc.).

Academics with Scanning: Language Arts *(ET,LS), 549*
Academics with Scanning: Math *(CN,ET), 549*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
ALTKEY *(TI), 299*
Apple Demo Disk *(AS,ET), 555*
Arcademic Skill Builders In Math: Set-Ups for the AFC *(ET), 466*
Audible Cursor Routine *(CI,PA,TR), 720*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Bed Control (DBC-1) *(EC), 201*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,CR,ET), 563*
Canon Communicator CC-7S and CC-7P *(CI,EA), 98*
Catch the Cow *(AS,TR), 531*
Clock Communicator *(AS,CI,ET,TR), 28*
Comboard *(AS,CI,ET,TR), 28*
Communication Programs *(CI,EC,PA,TR), 727*
Communiclock *(AS,CI,ET,TR), 29*
Compartmentalized Communicator *(AS,CI,ET,TR), 29*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA,TR), 728*
Control 1 *(EC,PC), 204*
Controller *(EC), 204*
DARCI TOO *(TI), 306*
DEUCE *(EC,PC,TW), 205*
Dial Scan *(AS,CI,ET,TR), 33*
Dinosaur Game *(ES,ET,GA,TR), 586*
Dual Clock Communicator *(CI,TR), 34*
DynaVox *(CI,EA), 101*
E-Tran Scanner *(AS,CI,ET,TR), 35*
Early Concepts *(ES,ET), 588*
EASICORDER *(EC), 206*
Environmental Control System *(EC,PC), 208*
Equalizer *(CI,DR,EA,PW,RE,TI,TW), 102*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
EZRA *(CI,CM,EC,PC), 210*
ezScan *(TI), 315*
First Categories *(ES,ET,LS,LT), 599*
First Verbs and Primeros Verbos *(ES,ET,LT), 600*
First Words *(ES,ET,LT), 601*
First Words II *(ES,ET,LT), 601*
Handy Speech Communication Aide *(CI,EA,SS), 105*
Help U Key *(TI), 323*
I Can Talk *(CI,ES,ET,LT,TR), 611*
Imperium 100 Environmental Control Unit *(EC), 214*
Interaction Games *(ES,ET,GA,TR), 614*
Interaction Games II *(ES,ET,GA,TR), 615*
Join the Circus *(AS,ES,ET), 616*
Ke:nx *(KE,MT,TI), 327*
Kennedy Switch Key Software *(CI,ET,TI), 473*
Kincontrol *(EC), 215*
Learn to Scan *(AS,ET), 624*
Liberator *(CI,CN,EA,PW,TI), 106*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightWRITER SL8 and SL80 *(CI,EA), 108*
LightWRITER SL81 and SL82 *(CI,EA), 108*
Mac-Apple Communications Aid *(CI,CN,DR,ES,ET,PA,WP), 741*
Macaw *(CI,EA), 109*
Macaw-SC *(CI,EA), 110*
Make It Happen *(AS,ES,ET), 630*
Make It In Time *(AS,ES,ET), 630*
Message Maker *(CI,EA,PA), 111*
MessageMate 20 *(CI,EA), 111*
Micro-LADS and Micro-LADS in French *(ET,LT), 636*
MicroDEC II *(CM,EC,PC), 217*
Money Skills *(AD,CN,ET,LS), 639*
Motor Training Games *(AS,ET,GA,RE), 716*
Motor Training Games *(ET,GA,TR), 639*
OmniWriter *(PA,WP), 746*
One Access *(IA,TI), 346*
One-Switch Paintbrush *(DR,PA), 746*
OneStrk *(TI), 346*
Personal Reader (KPR) *(TI), 352*
Pictalk *(CI,ES,ET,TR), 649*
Picture Scanner *(ET,TR), 650*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
Rabbit Scanner *(AS,ES,ET), 659*
Revolving Doors *(MT,TI), 360*

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Input Expand/Accel: Abbreviation Expansion

System whereby the user types a short series of characters (letters, numbers, etc.) and this short series of characters (the abbreviation) triggers a longer series of characters (the expansion). Sometimes known as a "macro."

Abbreviation/Expansion *(KM,PA,WP), 719*
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Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
AutoKey 20/20 *(KM), 257*
BAT *(TI), 302*
Bloorview Miniature Keyboard *(TI), 302*
Crestalk *(CI,EA), 99*
E Z Keys *(EC,KM), 262*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
FreeBoard *(EC,PA,TI), 734*
GEWA FTB 108 Enlarged Keyboard *(TI), 318*
GEWA METB 121 Reduced Size Keyboard *(TI), 319*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
Hearsay Gold *(TI), 322*
IBM VoiceType 2 *(TI), 324*
KeyWiz *(KM), 276*
Keyworks v. 3.0 and Keyworks Advanced Version *(KM), 276*
LIAISON *(EC,KE,PC,TI), 331*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightWRITER SL30 *(CI,EA), 107*
LightWRITER SL81 and SL82 *(CI,EA), 108*
MacroMaster/pro *(KM,TI), 334*
Magic Fingers *(KM), 279*
Mastervoice Environmental Control Single User Unit *(EC,PC), 216*
OneKey *(KM,PA), 747*
PC-Voice *(CI,EA,PA,PW,TI), 748*
Porta-Voice *(CI,EA,PW,WP), 112*
PRD+ (Productivity Plus) Basic Edition *(KM), 285*
ProKey For DOS *(KM), 286*
ProTERM *(SV,TE,TO), 419*
QuicKeys *(KM), 286*
RealVoice *(AS,CI,EA,EC,PW,TI,TW), 114*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
Scribe *(CI,EA,KG,PW), 117*
Soft Vert *(SV,TO), 422*
SuperKey *(KM), 290*
Switch-Back *(ID), 379*
Tempo II Plus *(KM), 291*
TimeOut UltraMacros *(KM), 291*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
Twiddler *(MT,TI), 369*
Verbal Operating System (VOS) 5.0 and VOS Basic *(KM,SV,TO), 427*
Vert Plus *(SV,TO), 428*
Voice Express *(TI), 371*
WiViK (Windows Visual Keyboard) *(TI), 373*
Zygo Talking Notebook II *(CI,CN,EA,PW,WP), 126*

Input Expand/Accel: Encoding (Chart or Memory Based)

A system for allowing the number of possible selections to be greater than the number of selection areas (such as keys on keyboard). The user enters a code (often a series of digits) in order to make a selection. A communication aid with a ten-key keyboard, for example, could be used to access 1000 items of vocabulary, each with a three-digit code.

Apple Demo Disk *(AS,ET), 555*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
FreeWheel Head Pointer System *(TI), 316*
Help U Type and Speak *(CI,EA,KM,PA), 735*
Liberator *(CI,CN,EA,PW,TI), 106*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
Message Maker *(CI,EA,PA), 111*
Quick Talk *(CI,EA,PA,PC), 113*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
VOIS 160 *(CI,EA), 124*

Input Expand/Accel: Levels or Pages

A system for allowing the number of possible selections to be greater than the number of selection areas (such as keys on a keyboard). The system has a number of different meanings for each key, depending upon the "level" (or "page") active. To make a selection, the user picks the desired level and the desired key.

Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
DAC *(CI,EA,SS), 99*
DynaVox *(CI,EA), 101*
Electronic Talk Board *(CI,ET,ID,PA,TR), 731*
Equalizer *(CI,DR,EA,PW,RE,TI,TW), 102*
GEWA FTB 108 Enlarged Keyboard *(TI), 318*
GEWA METB 121 Reduced Size Keyboard *(TI), 319*
HandiKEY and HandiKEY Deluxe *(KM), 266*
IntroTalker *(CI,EA,ET,TR), 105*
LIAISON *(EC,KE,PC,TI), 331*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
Lingraphica *(CI,CR,EA,PA), 109*
MegaWolf *(CI,EA), 110*
RotoTyper *(KM,PA,WP), 755*
Say & See *(AS,ET,ST), 539*
Say It *(CI,EA,PA), 114*
Say-It-All II Plus *(CI,EA,KG,PW), 115*
Special Friend Speech Prosthesis *(CI,EA), 119*
Talker II *(CI,EA,KG,PW), 121*
Target *(AS,CI,ET,TR), 690*
Touch & Speak *(CI,ET,PA,TR), 759*
Touch Com *(AS,CI,ET,TR), 542*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
Voice Express *(TI), 371*
WhisperWolf *(CI,EA), 124*
WiViK (Windows Visual Keyboard) *(TI), 373*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

Input Expand/Accel: Morse

System where the user indicates selections by Morse code. "Dot and dash" patterns are assigned to each possible choice. Frequently done with one or two switches.

Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
ALTKEY *(TI), 299*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR,WP), 727*
DARCI TOO *(TI), 306*
DEUCE *(EC,PC,TW), 205*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
ezMorse *(TI), 314*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
Morse Code WSKE II *(TI), 339*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
Scan Com *(CI,EA), 116*
Scanning WSKE II *(TI), 362*

Input Expand/Accel: Predictive

A system that predicts what character the user will type next. A typical predictive system will provide the user with possible completions of a word that the user has begun typing. If the correct word appears, the user can immediately select it, and need not finish typing it.

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Co:Writer *(PA), 726*
E Z Keys *(EC,KM), 262*
Equalizer *(CI,DR,EA,PW,RE,TI,TW), 102*
Finish Line *(PA), 733*
FreeBoard *(EC,PA,TI), 734*
HandiWORD and HandiWORD Deluxe *(KM), 267*
Help U Type *(KM), 267*
IBM VoiceType 2 *(TI), 324*
Keycache *(KM), 271*
KeyWiz *(KM), 276*
Liberator *(CI,CN,EA,PW,TI), 106*
MindReader *(PA,WP), 744*
Mouse Keys *(TI), 340*
OmniWriter *(PA,WP), 746*
One Access *(IA,TI), 346*
OneKey *(KM,PA), 747*
PC-Voice *(CI,EA,PA,PW,TI), 748*
PhraseIT *(PA,TI), 750*
PopComm *(CI,PA,SS), 751*
Porta-Voice *(CI,EA,PW,WP), 112*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
Pre-Dict-ate *(TI), 355*
Predict It *(PA,WP), 752*
Revolving Doors *(MT,TI), 360*
RotoTyper *(KM,PA,WP), 755*
ScreenDoors *(TI), 362*
SpeedScan *(TI), 365*
Telepathic *(PA), 758*
Wish Writer *(PA,WP), 766*

Input Method: Directed Scanning

Scanning systems using a row-and-column grid of choices, with a directional control (such as a joystick). The user can move in any desired direction to arrive at a selection.

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Light Talker *(CI,EA,EC,PW,TI,TW), 106*
Proportional Keystroke Scanner *(TI), 356*
Scan-It-All *(CI,EA,EC), 116*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
Switchboard *(CI,EA,ET), 120*
X-10 Home Control Interface *(EC), 233*

Input Method: Scanning

A selection technique whereby choices are presented to the user sequentially, and the user indicates when the right choice is arrived at (usually by activating a switch). To indicate choices, the scanning system may have a clock hand, a series of lights that light sequentially, or (on a computer screen) a moving cursor. Scanning may employ one, two or more switches, and may be done with a variety of techniques (automatic, row-and-column, etc.).

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Audible Cursor Routine *(CI,PA,TR), 720*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Bed Control (DBC-1) *(EC), 201*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,CR,ET), 563*
Canon Communicator CC-7S and CC-7P *(CI,EA), 98*
Catch the Cow *(AS,TR), 531*
Clock Communicator *(AS,CI,ET,TR), 28*
Comboard *(AS,CI,ET,TR), 28*
Communication Programs *(CI,EC,PA,TR), 727*
Communiclock *(AS,CI,ET,TR), 29*
Compartmentalized Communicator *(AS,CI,ET,TR), 29*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA,TR), 728*
Control I *(EC,PC), 204*
Controller *(EC), 204*
DARCI TOO *(TI), 306*
DEUCE *(EC,PC,TW), 205*
Dial Scan *(AS,CI,ET,TR), 33*
Dinosaur Game *(ES,ET,GA,TR), 586*
Dual Clock Communicator *(CI,TR), 34*
DynaVox *(CI,EA), 101*
E-Tran Scanner *(AS,CI,ET,TR), 35*
Early Concepts *(ES,ET), 588*
EASICORDER *(EC), 206*
Environmental Control System *(EC,PC), 208*
Equalizer *(CI,DR,EA,PW,RE,TI,TW), 102*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
EZRA *(CI,CM,EC,PC), 210*
ezScan *(TI), 315*
First Categories *(ES,ET,LS,LT), 599*
First Verbs and Primeros Verbos *(ES,ET,LT), 600*
First Words *(ES,ET,LT), 601*
First Words II *(ES,ET,LT), 601*
Handy Speech Communication Aide *(CI,EA,SS), 105*
Help U Key *(TI), 323*
I Can Talk *(CI,ES,ET,LT,TR), 611*
Imperium 100 Environmental Control Unit *(EC), 214*
Interaction Games *(ES,ET,GA,TR), 614*
Interaction Games II *(ES,ET,GA,TR), 615*
Join the Circus *(AS,ES,ET), 616*
Ke:nx *(KE,MT,TI), 327*
Kennedy Switch Key Software *(CI,ET,TI), 473*
Kincontrol *(EC), 215*
Learn to Scan *(AS,ET), 624*
Liberator *(CI,CN,EA,PW,TI), 106*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightWRITER SL8 and SL80 *(CI,EA), 108*
LightWRITER SL81 and SL82 *(CI,EA), 108*
Mac-Apple Communications Aid *(CI,CN,DR,ES,ET,PA,WP), 741*
Macaw *(CI,EA), 109*
Macaw-SC *(CI,EA), 110*
Make It Happen *(AS,ES,ET), 630*
Make It In Time *(AS,ES,ET), 630*
Message Maker *(CI,EA,PA), 111*
MessageMate 20 *(CI,EA), 111*
Micro-LADS and Micro-LADS in French *(ET,LT), 636*
MicroDEC II *(CM,EC,PC), 217*
Money Skills *(AD,CN,ET,LS), 639*
Motor Training Games *(AS,ET,GA,RE), 716*
Motor Training Games *(ET,GA,TR), 639*
OmniWriter *(PA,WP), 746*
One Access *(IA,TI), 346*
One-Switch Paintbrush *(DR,PA), 746*
OneStrk *(TI), 346*
Personal Reader (KPR) *(TI), 352*
Pictalk *(CI,ES,ET,TR), 649*
Picture Scanner *(ET,TR), 650*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
Rabbit Scanner *(AS,ES,ET), 659*
Revolving Doors *(MT,TI), 360*

Rockets to the Moon *(ES,ET,GA,TR), 664*
Rotary Communication Scanner *(AS,CI,ET,TR), 45*
RotoTyper *(KM,PA,WP), 755*
Round Clock Communicator *(CI,TR), 45*
Run Rabbit Run *(AS,ES,ET), 665*
Say It *(CI,EA,PA), 114*
Scan & Speak *(CI,ET,TR), 666*
Scan Com *(CI,EA), 116*
Scan-It-All *(CI,EA,EC), 116*
Scanning Conversion Program *(AP), 481*
Scanning Remote Control (SRC) *(EC), 225*
Scanning WSKE II *(TI), 362*
Scanning X-10 Powerhouse *(EC), 225*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
Sentence-Scan *(CI,EA,ET,PA), 118*
Sequential Scanner *(AS,CI,ET,TR), 46*
Sight Words *(ET,LS), 671*
Special Education Public Domain Software *(CR,ET,LS), 676*
Special Friend Speech Prosthesis *(CI,EA), 119*
SpeedScan *(TI), 365*
Speller Teller Communicators *(AS,CI,ET,TR), 48*
Steeper Communication/Teaching Aid *(AS,CI,TR), 48*
Sunny Days *(ET,LS), 682*
Switchboard *(CI,EA,ET), 120*
SwitchMouse *(MT,TI), 366*
Symbol Writer *(AS,ES,ET,GA), 686*
Talk-O *(CI,EA,TR), 121*
Talking Symbols *(CI,EA,PA), 757*
Target *(AS,CI,ET,TR), 690*
TV Converter Model 4020 *(EC), 228*
TVRC and TVRCS *(EC), 229*
Type & Speak *(CI,PA,SV), 761*
Variable Position Scanner *(AS,CI,ET,TR), 57*
Versascan *(AS,CI,ET,TR), 57*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,AS,CR,ES,ET), 543*
Where is Puff? *(ES,ET), 706*
WhisperWolf *(CI,EA), 124*
Wish Writer *(PA,WP), 766*
X-10 Powerhouse System *(EC), 233*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW), 125*
Zygo Model 16C-JK *(AS,CI,ET,TR), 60*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

Input Symbol System: Auditory Presentation (eg Auditory Scanning)

A system which presents the user with a series of choices auditorially (for instance spoken by a speech synthesizer). When the system arrives at the desired choice the user indicates it (usually with a switch).

Audible Cursor Routine *(CI,PA,TR), 720*
Letter Find *(CN,ES,ET,KB,SV), 627*
Say It *(CI,EA,PA), 114*
Sight Word Spelling *(ET,LS,SV), 670*

Input Symbol System: Bliss Symbols

A special set of international pictographic symbols.

Blissymbol Templates *(NA), 65*
Blissymbol Vocabulary Stamps *(CI,ET,NA), 65*
Core Vocabulary *(CI,NA), 69*
Talking EyePoint Board *(CI,EA,TI), 122*
Ten Key Board *(TI), 367*

Input Symbol System: Photos/Pictures/Line Drawings

A system which depends upon this type of symbol extensively enough that the user does not have to understand any other system (such as the alphabet).

Bear Jam *(ES,ET), 559*
Big/Little I and II *(ES,ET), 560*
Buddy's Body *(AS,ES,ET), 563*
Canon Communicator CC-7S and CC-7P *(CI,EA), 98*
Choice Board *(AS,ET,NA), 66*
Cleo Communication Board *(CI,NA), 67*
Communication Sheets *(CI,ET,NA), 68*
Community Vehicles *(ES,ET), 578*
Core Picture Vocabulary *(CI,ET,NA), 69*
DAC *(CI,EA,SS), 99*
Dinosaur Game *(ES,ET,GA,TR), 586*
DynaVox *(CI,EA), 101*
Early Concepts *(ES,ET), 588*
Eency-Weency Spider Game *(ES,ET), 592*
Exploratory Play *(ES,ET,LT), 595*
Family Fun *(AS,ES,ET), 596*
Fast Food Game *(ES,ET), 597*
Feelings *(ES,ET), 597*
Foto Series *(ET,NA), 72*
Help Me to Help Myself *(CI,ET,NA), 72*
I Can Talk *(CI,ES,ET,LT,TR), 611*
If You're Happy and You Know It *(ES,ET), 612*
Interaction Games *(ES,ET,GA,TR), 614*
Interaction Games II *(ES,ET,GA,TR), 615*
Let's Go Shopping I and II *(ES,ET), 626*
Liberator *(CI,CN,EA,PW,TI), 106*
Life Experiences Communication Kit *(CI,ET,NA), 74*
Lingraphica *(CI,CR,EA,PA), 109*
Motor Training Games *(ET,GA,TR), 639*
Multisensory Curriculum *(AM,CN,CR,ES,ET,LT), 641*
Oakland Schools Picture Dictionary *(CI,ET,NA), 77*
Old MacDonald's Farm I and II *(ES,ET,LS), 645*
Opticommunicator *(CI,ET,NA), 78*
Overlay Express *(DR), 478*
Padded Food *(AS,ES,ET), 646*
Padded Vehicles *(ES,ET), 647*
Paper Dolls I and II *(AD,ES,ET), 648*
Passport Kits *(CI,NA), 79*
PEACEKEYPER *(CI,EA,NA,TR), 40*
Peacemaker *(CI,EA,NA,TR), 41*
Pick 'N Stick Color Packs *(NA), 81*
Pick 'N Stick Fast Food *(NA), 82*
PICSYMS Categorical Dictionary *(CI,ET,NA), 82*
Pictalk *(CI,ES,ET,TR), 649*
Picture Scanner *(ET,TR), 650*
Pictures, Please! *(CI,ET,NA), 84*
Play and Match *(AS,ET,ID,TR), 652*
Point to Pictures *(ET,TR), 653*
Practice Communication Cards *(AS,CI,ET,NA), 87*
Quad Talk *(AS,ET,TR), 44*
Representational Play *(ES,ET,LT), 663*
Rockets to the Moon *(ES,ET,GA,TR), 664*
Select-A-Meal and Shopping Cards *(NA), 87*
Self-Talk Communication Boards *(CI,NA), 88*
Self-Talk Stickers *(CI,NA), 88*
Silly Sandwich *(ES,ET), 671*
SimpleCom II: Needs/Wants Communication *(CI,ET,TR), 672*
Specialist *(CI,EA,NA,TR), 47*
Speller Teller Communicators *(AS,CI,ET,TR), 48*
Start Talking *(ES,LS), 482*
Switch It - Change It *(ES,ET), 684*
Switch It - See It *(ES,ET), 684*
Talking Pictures Communication Board *(CI,ET,NA), 89*
Talking Pictures, Kits I, II, and III *(CI,ET,NA), 89*
Talking Screen *(CI,EA,PA), 122*
Talking Symbols *(CI,EA,PA), 757*
Talking Touch Window *(AS,CI,ET,TR), 689*
Tea Party *(ES,ET), 691*

This is the Way We Wash Our Face *(ES,ET,TR), 693*
TIGER Jr. *(CI,EA,NA,TR), 52*
Touch 'N Talk Communication Stickers *(CI,ET,NA), 91*
Touch 'N Talk Micros *(CI,ET,NA), 91*
Tri-Folder *(CI,NA), 92*
Tri-Responder *(AS,ET,TR), 56*
Unipix *(CI,ET,NA), 92*
Wheels On The Bus I, II, and III *(ES,ET,TR), 706*
Where is Puff? *(ES,ET), 706*
Worm Squirm *(ES,ET,TR), 709*
Zoo Time *(ES,ET), 711*

Input Symbol System: User Selectable Symbols

Any system where users can select, create, and use their own set of symbols.

Activity Board *(AS,EC,TR), 23*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Choice Board *(AS,ET,NA), 66*
Clock Communicator *(AS,CI,ET,TR), 28*
Comboard *(AS,CI,ET,TR), 28*
Communication Binder *(CI,NA), 67*
Communication Folder *(CI,NA), 68*
Communiclock *(AS,CI,ET,TR), 29*
Compartmentalized Communicator *(AS,CI,ET,TR), 29*
Control Without Keyboards *(AS,CI,EA,ET,PA), 98*
Dial Scan *(AS,CI,ET,TR), 33*
Dual Clock Communicator *(CI,TR), 34*
DynaVox *(CI,EA), 101*
Electronic Talk Board *(CI,ET,ID,PA,TR), 731*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Expanded Keyboards for the Talking BlissApple *(KG,TI), 312*
Eye Transfer Communication System *(CI,ET,NA), 70*
Eye-Com Board *(CI,ET,NA), 71*
Individualized Communication Systems *(CI,ET,NA), 74*
IntelliKeys Keyboard *(TI), 324*
IntroTalker *(CI,EA,ET,TR), 105*
Keypad *(AS,TR), 37*
Keyport 300 *(TI), 329*
Keyport 60 *(TI), 329*
King Keyboard 2440 *(TI), 330*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightBoard *(TI,TW), 332*
Logo TouchTools for the PowerPad *(AS,ES,ET), 628*
MegaWolf *(CI,EA), 110*
MessageMate 20 *(CI,EA), 111*
Mid-Sized Communication Book *(CI,NA), 76*
Mini Talking Card Reader *(CI,ET,TR), 39*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(TI), 343*
Opticommunicator *(CI,ET,NA), 78*
Overlay Express *(DR), 478*
Parrot *(CI,TR), 40*
Pocket Picture Holder *(NA), 85*
Pocket-Sized and Double Pocket-Sized Communication Book *(CI,NA), 85*
Porta Book *(CI,NA), 86*
Portable Communication Boards *(CI,NA), 86*
PowerPad *(DR,RE,TI), 354*
PowerPad Starter Kit *(TI), 355*
Quad Talk *(AS,ET,TR), 44*
RealVoice *(AS,CI,EA,EC,PW,TI,TW), 114*
Rotary Communication Scanner *(AS,CI,ET,TR), 45*
Round Clock Communicator *(CI,TR), 45*
Say-It-All II Plus *(CI,EA,KG,PW), 115*
Say-It-Simply Plus *(CI,EA,ET,TR), 115*
Scan & Speak *(CI,ET,TR), 666*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
Sequential Scanner *(AS,CI,ET,TR), 46*
SimpleCom I: Yes/No Communication *(CI,ET,TR), 672*
SpeakEasy *(CI,EA), 118*
Speller Teller Communicators *(AS,CI,ET,TR), 48*
Steeper Communication/Teaching Aid *(AS,CI,TR), 48*
Switchboard *(CI,EA,ET), 120*
Symbol Training Display *(AS,ET,TR), 51*
Talker II *(CI,EA,KG,PW), 121*
Talking Pictures Communication Board *(CI,ET,NA), 89*
Target *(AS,CI,ET,TR), 690*
Ten Key Board *(TI), 367*
Touch & Speak *(CI,ET,PA,TR), 739*
Touch 'N Talk Communication Board *(CI,ET,NA), 90*
Touch 'N Talk Communication Notebook *(CI,NA), 90*
Touch Com *(AS,CI,ET,TR), 542*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
Tri-Responder *(AS,ET,TR), 56*
Unicorn Membrane Keyboards *(TI,TW), 369*
Variable Position Scanner *(AS,CI,ET,TR), 57*
Versascan *(AS,CI,ET,TR), 57*
VOIS 160 *(CI,EA), 124*
WhisperWolf *(CI,EA), 124*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW), 125*
Zygo Model 16C-JK *(AS,CI,ET,TR), 60*
Zygo TETRAscan II *(TI), 373*

Input Symbol System: Whole Words

A system that provides menus of words for the user to choose from.

Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
Communication Programs *(CI,EC,PA,TR), 727*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA,TR), 728*
DAC *(CI,EA,SS), 99*
Expanded Keyboards for Speak N' Spell *(EA,ET,TR), 103*
Handy Speech Communication Aide *(CI,EA,SS), 105*
Help Me to Help Myself *(CI,ET,NA), 72*
Help U Type and Speak *(CI,EA,KM,PA), 735*
I Can Talk *(CI,ES,ET,LT,TR), 611*
King Keyboard 2440 *(TI), 330*
Mac-Apple Communications Aid *(CI,CN,DR,ES,ET,PA,WP), 741*
Message Maker *(CI,EA,PA), 111*
Multisensory Curriculum *(AM,CN,CR,ES,ET,LT), 641*
Passport Kits *(CI,NA), 79*
Self-Talk Communication Boards *(CI,NA), 88*
Self-Talk Stickers *(CI,NA), 88*
Sentence-Scan *(CI,EA,ET,PA), 118*
Sight Words *(ET,LS), 671*
Start Talking *(ES,LS), 482*
Talking Touch Window *(AS,CI,ET,TR), 689*
TIGER Jr. *(CI,EA,NA,TR), 52*

Input Type: Air (Sip/Puff)

Input devices operated by sip-and-puff style switches. This code is only applied to systems that come equipped with such a switch. Systems that accept any switch as input can often be connected to sip-and-puff switches purchased separately (see "Input Jack," below).

Able-Phone 1900 and 2000 *(EC,PC), 197*
C-500 Control System *(EC,MT,TI), 304*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
CINTEX I and II *(EC,GA,PA,PC,WP), 725*
Custom Speaker Phone *(EC,PC), 205*
Hands Free Controller *(GA,RE,TI), 320*
HECS-1 *(EC,PC), 213*
Micro-Alarm and Alert-911 *(CM), 246*
Mouth Operated Joystick for Nintendo *(GA,RE,TI), 342*
Proportional Keystroke Scanner *(TI), 356*

Input Type: Contact (Zero Pressure)

Systems that require absolutely no pressure, only contact, to activate.

Able-Switch Model 300 *(CM,EC), 199*

Input Type: Eye Movement and Eye Gaze

Systems based upon the movement of the eyes. This includes electronic and non-electronic systems based on gaze, but does not include switch-type systems based on wrinkling the eyebrows or blinking (see "Movement Activated" below).

Choice Board *(AS,ET,NA), 66*
Eye Slaved Pointing System *(EC,PC,TI), 314*
Eye Transfer Communication System *(CI,ET,NA), 70*
Eye-Com *(CI,ET,NA), 70*
Eye-Com Board *(CI,ET,NA), 71*
Eyegaze Computer System *(EA,EC,PC,TI), 103*
HeadMouse *(MT,TI), 322*
Nu-Vue-Cue *(CI,ET,NA), 77*
Opticommunicator *(CI,ET,NA), 78*
Symbol Training Display *(AS,ET,TR), 51*
Talking EyePoint Board *(CI,EA,TI), 122*

Input Type: Head Controlled

Systems controlled by movement of the head, including systems controlled with head-mounted light pointers. Also any head-controlled input device.

AbiliCad *(DR,ID,PA), 377*
Adjustable Head Pointer *(PT), 11*
Adjustable Head Pointer *(PT), 11*
Adjustable Head Pointer PC 7590 *(PT), 11*
Arrow Mouthstick Kit *(PT), 12*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
Clear-View Head Pointer *(PT), 12*
DButton for Windows *(MT,TI), 307*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
FreeWheel Head Pointer System *(TI), 316*
FreeWheel II Cordless Optical Head Pointer *(MT,TI), 317*
H71830 Adjustable Head Pointer *(PT), 13*
H73217 Mouth Held Page Turners *(BP,PT), 13*
Head Pointers: AD-1, AD-2, AD-3 *(PT), 14*
HeadMaster *(MT,TI), 321*
HeadMouse *(MT,TI), 322*
Help U Keyboard *(TI), 323*
Heyer-Abadie Modular Mouthstick *(PT), 14*
Hybrid Electronic Pointers *(PT,TI), 14*
Laser Optic Keyboard *(CI,TI), 331*
Liberator *(CI,CN,EA,PW,TI), 106*
Light Beam Indicator *(PT), 15*
Light Pointer *(PT), 15*
Light Pointer *(PT), 15*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightBoard *(TI,TW), 332*
Lite Touch *(DR,GA,RE,TI), 333*
Mouse Keys *(TI), 340*
Mouthsticks *(BP,PT), 16*
OmniWriter *(PA,WP), 746*
Scan-It-All *(CI,EA,EC), 116*
ScreenDoors *(TI), 362*
Synergy Computer System *(CI,PW,TI), 366*
Vacuum Wand *(BP,PT), 16*
Viewpoint Optical Indicator *(PT), 17*
WiViK (Windows Visual Keyboard) *(TI), 373*

Input Type: Input Jack - Accepts Any Switch

Systems that have an input jack (or plug) which can be connected to a variety of switches. Communication aids and computer access systems that are switch-operated are indicated by this code.

90-A Timer and CTR-1 Counter *(AS,EC,ET,TR), 21*
Ability Switch Tester *(AS,ET,TR), 21*
Able-Phone 100WA *(EC,PC), 197*
Able-Phone 1900 and 2000 *(EC,PC), 197*
Able-Switch 500 *(CM,EC), 198*
AC Adaptor FRE-103C *(TR), 22*
Academics with Scanning: Language Arts *(ET,LS), 549*
Academics with Scanning: Math *(CN,ET), 549*
Access-I *(CI,PW,TI), 297*
Active Stimulation Programmer *(AS,EC,ET,TR), 22*
Active Therapy System (ACTS) *(AS,EC,ET,TR), 551*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
Adult Switch Progressions *(ET,TR), 551*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,ET,LT), 552*
AID+Me Programmable Keyboard *(IA,KM,MT,TI), 299*
ALTKEY *(TI), 299*
AND Module *(TR), 23*
And Or Box *(AS,TR), 24*
Anivox Computer Speech System *(AS,ET,ST), 553*
Aphasia Series: I through VIII *(CR,ET,LS), 554*
Apple Computer Input Adapter *(IA), 383*
Apple Demo Disk *(AS,ET), 555*
Apple Programs for the Handicapped *(CI,ET,GA,PA,TR), 555*
Arcademic Skill Builders In Math: Set-Ups for the AFC *(ET), 466*
Audible Cursor Routine *(CI,PA,TR), 720*
Audio Control Unit Model 112 *(AS,TR), 24*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Automaddak Page Turner *(BP,EC), 200*
Automatic Page Turner *(BP,EC), 201*
Battery Adapter *(AS,ET,TR), 25*
Battery Device Adapter *(AS,ET,TR), 25*
Battery Interface *(AS,ET,TR), 26*
Battery Interrupter *(AS,ET,TR), 26*
Beeper *(AS,CM,TR), 238*
BEST Faces *(ES,ET), 559*
BEST Switch Interface *(IA), 383*
Big/Little I and II *(ES,ET), 560*
Bozons' Quest *(ET,GA,LS), 562*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,CR,ET), 563*
Build-A-Scene *(ET), 564*
Call Signal 2 *(AS,CM,TR), 240*
Canon Communicator CC-7S and CC-7P *(CI,EA), 98*
Catch the Cow *(AS,TR), 531*
Children's Switch Progressions *(ET), 568*
Chime Alarm *(AS,CM,TR), 240*
CINTEX I and II *(EC,GA,PA,PC,WP), 725*
Clock Communicator *(AS,CI,ET,TR), 28*
Cogrehab Vol. 5 *(CR,ET,LS), 574*
Colors and Shapes *(ES,ET), 577*
Comboard *(AS,CI,ET,TR), 28*
Communication Programs *(CI,EC,PA,TR), 727*
Communiclock *(AS,CI,ET,TR), 29*
Compartmentalized Communicator *(AS,CI,ET,TR), 29*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA,TR), 728*
Computer Switch Interface *(IA), 384*
CONCENTRATE! On Words & Concepts *(ET,LS,LT), 581*
Control I *(EC,PC), 204*
Control Unit Model 102 *(AS,TR), 30*
Control Unit Model 201 *(AS,TR), 31*
Controller *(EC), 204*
Counter Box *(AS,TR), 31*
Counter Module *(AS,ET,TR), 32*
Creature Antics and Creature Capers *(ET,GA,TR), 583*
Creature Chorus *(ET,TR), 584*

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Creature Features *(ET,TR), 584*
DARCI TOO *(TI), 306*
Delay Timer DT-1 *(AS,EC,ET,TR), 32*
DEUCE *(EC,PC,TW), 205*
Dial Scan *(AS,CI,ET,TR), 33*
Dinosaur Game *(ES,ET,GA,TR), 586*
Dual Channel Latching Switch Interface *(AS,EC,ET,TR), 33*
Dual Clock Communicator *(CI,TR), 34*
DynaVox *(CI,EA), 101*
E-Tran Scanner *(AS,CI,ET,TR), 35*
Early and Advanced Switch Games *(ET), 588*
Early Concepts *(ES,ET), 588*
Early Learning I *(ES,ET), 590*
Early Learning II *(CN,ES,ET), 590*
EASICORDER *(EC), 206*
Eency-Weency Spider Game *(ES,ET), 592*
Emergency Call Alarm *(AS,CM,TR), 242*
Environmental Control System *(EC,PC), 208*
Equalizer *(CI,DR,EA,PW,RE,TI,TW), 102*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Ez-Control Modular Environmental Control System *(EC,PC), 209*
ezMorse *(TI), 314*
EZRA *(CI,CM,EC,PC), 210*
ezScan *(TI), 315*
Fast Food Game *(ES,ET), 597*
First Categories *(ES,ET,LS,LT), 599*
First Verbs and Primeros Verbos *(ES,ET,LT), 600*
First Words *(ES,ET,LT), 601*
First Words II *(ES,ET,LT), 601*
Further Adventures of Jimmy Jumper - Perseverance *(AS,ES,ET), 605*
Getting Clean with Herkimer Level I, II, III *(ET), 606*
Gewa Page Turner *(BP,EC), 211*
HandiKEY and HandiKEY Deluxe *(KM), 266*
Help U Key *(TI), 323*
Human Being Machine *(ET,RE), 610*
I Can Talk *(CI,ES,ET,LT,TR), 611*
Imperium 100 Environmental Control Unit *(EC), 214*
Independence VoicePhone *(EC,PC), 214*
Infrared Remote Control IRTI-1 *(EC), 215*
Input Adapter *(IA), 385*
Interaction Games *(ES,ET,GA,TR), 614*
Interaction Games II *(ES,ET,GA,TR), 615*
Intercom Unicontrol *(CM,EC), 242*
Interface Box for Apple II *(IA), 386*
Invertor Module *(AS,TR), 36*
Join the Circus *(AS,ES,ET), 616*
JOKUS Software *(ES,ET), 617*
Joystick Replacer Box *(IA), 387*
Kennedy Switch Key Software *(CI,ET,TI), 473*
Keypad Trainer *(AS,TR), 37*
Kincontrol *(EC), 215*
Latch Box *(TR), 38*
Learn to Scan *(AS,ET), 624*
Learning the Alphabet *(ES,ET), 625*
Lesson Editor *(AM,AP), 509*
Let's Go Shopping I and II *(ES,ET), 626*
Liberator *(CI,CN,EA,PW,TI), 106*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
Lighted Extra Loud Signalling Buzzer *(AS,CM,TR), 244*
Lighted Signalling Buzzer *(AS,CM,TR), 245*
Lighted Vibrating Signalling Buzzer *(AS,ET,TR), 38*
LightWRITER SL8 and SL80 *(CI,EA), 108*
LightWRITER SL81 and SL82 *(CI,EA), 108*
Mac-Apple Communications Aid *(CI,CN,DR,ES,ET,PA,WP), 741*
Macaw-SC *(CI,EA), 110*
Make It Happen *(AS,ES,ET), 630*
Make It In Time *(AS,ES,ET), 630*
Me Too! *(PA), 742*
Message Maker *(CI,EA,PA), 111*
MessageMate 20 *(CI,EA), 111*
Micro-LADS and Micro-LADS in French *(ET,LT), 636*
MicroDEC II *(CM,EC,PC), 217*
Mini-Environmental Control MECU-1 *(EC), 217*
Mix 'N Match *(AR,ES,ET), 637*
Money Skills *(AD,CN,ET,LS), 639*
Morse Code WSKE II *(TI), 339*
Motor Training Games *(AS,ET,GA,RE), 716*
Motor Training Games *(ET,GA,TR), 639*
Motorized Easel *(BP,EC), 218*
Multiple Switch Box Kit *(IA), 389*
Multiswitch Module *(AS,TR), 39*
Natural Language Processing Program *(ET,LT), 643*
Next Page Page Turner *(BP,EC), 218*
OmniWriter *(PA,WP), 746*
On/Off Remote Switch *(EC), 219*
One Access *(IA,TI), 346*
One-Switch Paintbrush *(DR,PA), 746*
PA-1 Portable Alarm *(CM), 247*
PC-Pedal *(KM), 282*
PhraseIT *(PA,TI), 750*
Pictalk *(CI,ES,ET,TR), 649*
Pictures Programs: I, II and III *(CR,ES,ET,LS), 651*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
Public Domain Software *(CN,ES,ET,LS,PA), 658*
Push-On-Push-Off Module *(AS,EC,ET,TR), 42*
Rabbit Scanner *(AS,ES,ET), 659*
RC-3000 Speakerphone *(EC,PC), 221*
Reactions (R73) *(ES,ET), 660*
Revolving Doors *(MT,TI), 360*
Rhythm Generator *(AS,TR), 44*
Robotic Work Station Attendant *(BP,EC,PC,RC), 223*
Rockets to the Moon *(ES,ET,GA,TR), 664*
Rotary Communication Scanner *(AS,CI,ET,TR), 45*
RotoTyper *(KM,PA,WP), 755*
Round Clock Communicator *(CI,TR), 45*
Run Rabbit Run *(AS,ES,ET), 665*
Saltus Reader *(BP,EC), 224*
Say It *(CI,EA,PA), 114*
Scan & Speak *(CI,ET,TR), 666*
Scan Com *(CI,EA), 116*
Scan-It-All *(CI,EA,EC), 116*
Scanning Conversion Program *(AP), 481*
Scanning Remote Control (SRC) *(EC), 225*
Scanning WSKE II *(TI), 362*
Scanning X-10 Powerhouse *(EC), 225*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
SenSei *(EC,PA,PC,TI,TL), 363*
Sentence-Scan *(CI,EA,ET,PA), 118*
Sequential Scanner *(AS,CI,ET,TR), 46*
Series Adapter *(AS,TR), 47*
Sharon's Programs *(ES,ET,LS), 670*
Sight Words *(ET,LS), 671*
Single Choice Toy Program *(ET,TR), 673*
Single Switch Assessment Program for IBM *(AS,ET,TR), 541*
Sound Match *(AS,ES,ET), 675*
Special Education Public Domain Software *(CR,ET,LS), 676*
Special Friend Speech Prosthesis *(CI,EA), 119*
Special Skill Builders I & II *(CN,ES,ET), 677*
SpeechWare *(CI,EA,PA), 119*
Speller Teller Communicators *(AS,CI,ET,TR), 48*
Steeper Communication/Teaching Aid *(AS,CI,TR), 48*
Sunny Days *(ET,LS), 682*
Switch Interface *(IA), 392*
Switch It - Change It *(ES,ET), 684*
Switch It - See It *(ES,ET), 684*
Switch Latch/Timer *(AS,TR), 50*
Switch Training Program and Communication Training Pgm. *(ET,LS,TR), 685*
Switch-Back *(ID), 379*
Switchboard *(CI,EA,ET), 120*
SwitchEnsemble *(ET,RE,TR), 685*
SwitchMouse *(MT,TI), 366*
Symbol Writer *(AS,ES,ET,GA), 686*
Synergy Computer System *(CI,PW,TI), 366*
Talk-O *(CI,EA,TR), 121*
Talking Toys *(ET,TR), 690*
Target *(AS,CI,ET,TR), 690*
Teenage Switch Progressions *(ET), 691*
Telephone Management System *(EC,PC), 227*
Telling Time, Parts of the Face, Learning Colors *(ES,ET), 692*

Timer Module *(AS,EC,ET,TR), 53*
Tone Switch Box *(AS,ET,TR), 53*
Touch Turner *(BP,EC), 228*
Toy Adapter *(AS,TR), 54*
Toy Adapter Cables: CA-9/CA-12/CA-16 *(AS,ET,TR), 54*
Toy Cable *(AS,ET,TR), 55*
Trace Beeper Box *(TR), 55*
Training Aid 2 *(AS,EC,ET,TR), 56*
TV Converter Model 4020 *(EC), 228*
TVRC and TVRCS *(EC), 229*
Twenty Categories *(AR,ET,LS), 696*
Unidialer II *(EC,PC), 230*
Universal Input Adaptor *(IA), 393*
Variable Position Scanner *(AS,CI,ET,TR), 57*
Versascan *(AS,CI,ET,TR), 57*
Vibrating Sack *(AS,ET,TR), 58*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,AS,CR,ES,ET), 543*
Where is Puff? *(ES,ET), 706*
WhisperWolf *(CI,EA), 124*
Wish Writer *(PA,WP), 766*
Words and Concepts I, II, III *(ET,LS,LT), 709*
X-10 Powerhouse System *(EC), 233*
Yes-No Voice Box *(CI,EA,TR), 59*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW), 125*
Zygo Model 16C-JK *(AS,CI,ET,TR), 60*
Zygo Model 20 *(AS,CI,ET,TR), 60*
Zygo Model 21S *(AS,CI,ET,TR), 61*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

Input Type: Joystick/Wobblestick

Systems that accept a joystick or wobblestick as input. The joystick can be discrete (four or five switches) or analog (proportional).

AbiliCad *(DR,ID,PA), 377*
Apple Programs for the Handicapped *(CI,ET,GA,PA,TR), 555*
Auditory Skills Package *(CR,ET), 558*
Blazing Paddles *(DR,ET,RE), 561*
C-500 Control System *(EC,MT,TI), 304*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
Cognitive Software: Visual Tasks *(CR,ET,LS), 571*
Community Signs *(AD,ET,LS,LT), 577*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA,TR), 728*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,CR,ET,LS), 580*
Conceptual Skills *(CR,ET), 582*
DA-II Adapter *(IA), 384*
DARCI TOO *(TI), 306*
DynaVox *(CI,EA), 101*
Edmark Reading Program, Level 1 Software *(ES,ET,LS), 591*
Electric Crayon and Electric Crayon Deluxe *(DR,ET,RE), 715*
Employment Signs *(AD,ET,LS,LT), 594*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
First Mate *(CR,ET), 600*
Foundations I *(AR,CR,ES,ET), 603*
Foundations II *(AR,CR,ES,ET), 603*
Gateway Stories *(ET), 605*
Information Signs *(AD,ET,LS,LT), 613*
Joystick Mastery *(ET), 617*
Joystick Trainer *(ET,TR), 618*
LIAISON *(EC,KE,PC,TI), 331*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LipStick and WordWriter *(MT,TI), 332*
Memory I *(CR,ES,ET,LS), 635*
Memory II *(CR,ES,ET,LS), 635*
Motorized Easel *(BP,EC), 218*
MouseStick II *(MT,TI), 341*
Mouth Operated Joystick for Nintendo *(GA,RE,TI), 342*
Numeric Concepts I and II *(ET,LS), 644*
Picture Perfect *(DR,PA,RE), 750*
Proportional Keystroke Scanner *(TI), 356*
Proportional Simulations Disk *(AS,ET), 538*
Race the Clock *(ET,GA,RE), 659*
Safety Signs *(AD,ET,LS,LT), 665*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
ScreenDoors *(TI), 362*
Survival Words *(AD,AS,ET,LS,LT), 683*
Switch Training Program and Communication Training Pgm. *(ET,LS,TR), 685*
SwitchEnsemble *(ET,RE,TR), 685*
Synergy Computer System *(CI,PW,TI), 366*
Transportation Signs *(AD,ET,LS,LT), 695*
Universal Input Adaptor *(IA), 393*
Visuospatial Skills I *(AR,CR,ET), 703*
X-10 Home Control Interface *(EC), 233*

Input Type: Light Sensitive (Optical)

Systems that are controlled by a projected or received source of light. Includes light pens as well as longer range light pointers.

Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Blazing Paddles *(DR,ET,RE), 561*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA,TR), 728*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Freedom Writer *(PA,WP), 734*
FTG Light Pens *(MT,TI), 317*
Hybrid Electronic Pointers *(PT,TI), 14*
Light Beam Indicator *(PT), 15*
Light Pointer *(PT), 15*
Light Pointer *(PT), 15*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightBoard *(TI,TW), 332*
Lite Touch *(DR,GA,RE,TI), 333*
Optimouse *(MT,TI), 348*
Point and Read *(ET,LS), 652*
Vacuum Wand *(BP,PT), 16*
Viewpoint Optical Indicator *(PT), 17*
VISPA *(CR,ET), 703*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,AS,CR,ES,ET), 543*

Input Type: Movement Activated

Systems that are controlled by some type of movement not necessarily involving pressure. Devices specifically requiring pressure to activate will be listed under Input Type: Pressure Sensitive, rather than here.

JANICE Model 100 Invalid Security Alert System *(CM), 243*
KeyMouse *(MT,PA), 738*
TIGER Jr. *(CI,EA,NA,TR), 52*

Input Type: Noise (Sound or Vocalization)

Systems which are activated by a general sound.

Able-Phone 100WA *(EC,PC), 197*
Able-Phone 1900 and 2000 *(EC,PC), 197*
Anivox Computer Speech System *(AS,ET,ST), 553*
CINTEX I and II *(EC,GA,PA,PC,WP), 725*
CSL (Computerized Speech Lab) Model 4300 *(AS,ST), 532*
Personal Alert System *(CM), 248*
Remote Control Speakerphone Model RC3000 *(EC,PC), 223*
Silent Page System *(CM), 250*
TDD Detector *(TD), 139*
Voice Activated Graphics *(ET,ST), 704*
Watchman Master *(CM), 251*
Wireless Alerting Systems *(CM), 252*

Input Type: OCR (Optical Character Recognition)

Systems which can scan a printed text and determine what characters (letters, numbers, etc.) are on the page. This information can then be stored as a computer text file.

Arkenstone Reader *(TI,TO), 301*
BookWise *(TI,TO), 303*
DeskScan 3000 *(TI), 307*
DocuRead Expert *(TI), 308*
InWords *(TI), 326*
IRIS Reading Interface *(SV,TI), 326*
Kurzweil 5100, 5200, and 6200 Scanning Systems *(TI), 330*
Omni-Reader *(TI), 345*
Open Book Unbound *(TI), 347*
OsCaR *(TI), 348*
PC Scan 3000 and Personal Scan *(TI), 350*
PC/KPR *(TI), 351*
Personal Reader (KPR) *(TI), 352*
Read-It Pro 4.0/Personal 4.0 *(TI), 357*
Reading Edge *(TI), 358*
Scan 300/S *(TI), 361*

Input Type: Pressure Sensitive

Most touchpads and non-standard keyboards, plus anything activated by pushing, pulling or grasping. Also any non-electronic communication system where choices are indicated by pointing.

AbiliCad *(DR,ID,PA), 377*
Action/Music Play *(ES,ET), 550*
Activity Board *(AS,EC,TR), 23*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
Adult Switch Progressions *(ET,TR), 551*
AFC Access: TouchWindow *(TI), 298*
AID+Me Programmable Keyboard *(IA,KM,MT,TI), 299*
Academic Skill Builders In Math: Set-Ups for the AFC *(ET), 466*
BAT *(TI), 302*
Bear Jam *(ES,ET), 559*
BEST Buttons *(ID), 377*
BEST Faces *(ES,ET), 559*
Blazing Paddles *(DR,ET,RE), 561*
Bloorview Miniature Keyboard *(TI), 302*
Body Builder *(ES,ET), 562*
Bozons' Quest *(ET,GA,LS), 562*
Breakthru Box *(TI), 303*
Buddy's Body *(AS,ES,ET), 563*
Build-A-Scene *(ET), 564*
C-500 Control System *(EC,MT,TI), 304*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
CCT Environmental Control *(EC), 203*
Children's Switch Progressions *(ET), 568*
Choice Board *(AS,ET,NA), 66*
Cleo Communication Board *(CI,NA), 67*
Cogrehab Vol. 6 *(CR,ET,LS), 574*
Communication Binder *(CI,NA), 67*
Communication Folder *(CI,NA), 68*
Communication Sheets *(CI,ET,NA), 68*
Community Vehicles *(ES,ET), 578*
CONCENTRATE! On Words & Concepts *(ET,LS,LT), 581*
Concept Keyboard *(TI), 306*
Control Without Keyboards *(AS,CI,EA,ET,PA), 98*
Controller *(EC), 204*
Core Picture Vocabulary *(CI,ET,NA), 69*
Creature Antics and Creature Capers *(ET,GA,TR), 583*
Creature Chorus *(ET,TR), 584*
DA-II Adapter *(IA), 384*
DynaVox *(CI,EA), 101*
E-Z Call *(CM), 241*
Early Learning 3.5/Complete Early Learning 5.25 *(ES,ET,LS), 589*
Early Learning III *(CN,ET,LS), 591*
EDACTS Keyboard *(CI,EC,TI,WP), 309*
Edmark Reading Program, Level 1 Software *(ES,ET,LS), 591*
Electronic Talk Board *(CI,ET,ID,PA,TR), 731*
Environmental Control *(EC,TR), 207*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Expanded Keyboard for Apple II+ and IIe *(KG,TI), 310*
Expanded Keyboard for Apple Macintosh and Apple IIGS *(TI), 311*
Expanded Keyboard for Automatic Telephone *(EC,PC), 209*
Expanded Keyboard for IBM Computers *(KG,TI), 311*
Expanded Keyboards for Speak N' Spell *(EA,ET,TR), 103*
Expanded Keyboards for the Talking BlissApple *(KG,TI), 312*
Expanded Membrane Keyboard *(TI,TW), 312*
Expanded Numeric Keypads *(TI), 313*
Exploratory Play *(ES,ET,LT), 595*
EZ Pilot for PowerPad *(AM,AP), 502*
Family Fun *(AS,ES,ET), 596*
Feelings *(ES,ET), 597*
First Verbs and Primeros Verbos *(ES,ET,LT), 600*
First Words *(ES,ET,LT), 601*
First Words II *(ES,ET,LT), 601*
Following Directions: One- and Two-Level Commands *(AR,ES,ET), 602*
Following Directions: Left and Right *(ES,ET), 602*
Freedom Writer *(PA,WP), 734*
Getting Clean with Herkimer Level I, II, III *(ET), 606*
Hand Controls *(ID), 378*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
Handpointers *(PT), 13*
Handwriter Recognition System *(MT,TI), 321*
HECS-1 *(EC,PC), 213*
Help Me to Help Myself *(CI,ET,NA), 72*
Human Being Machine *(ET,RE), 610*
IBM THINKable/2 *(AR,CR,ET), 611*
If You're Happy and You Know It *(ES,ET), 612*
Imperium 100 Environmental Control Unit *(EC), 214*
Individualized Communication Systems *(CI,ET,NA), 74*
IntelliKeys Keyboard *(TI), 324*
IntroTalker *(CI,EA,ET,TR), 105*
JANICE Model 100 Invalid Security Alert System *(CM), 243*
Ke:nx *(KE,MT,TI), 327*
Kennedy Switch Key Software *(CI,ET,TI), 473*
Keyboard Covers *(KM), 270*
Keypad *(AS,TR), 37*
Keyport 300 *(TI), 329*
Keyport 60 *(TI), 329*
King Keyboard 2440 *(TI), 330*
KoalaPad+ *(DR,ID), 378*
Leo's 'Lectric Paintbrush *(DR,ET,PA,RE), 740*
Lesson Editor *(AM,AP), 509*
Liberator *(CI,CN,EA,PW,TI), 106*
Life Experiences Communication Kit *(CI,ET,NA), 74*
Lifeline Personal Response System *(CM), 243*
LightWRITER SL30 *(CI,EA), 107*
LightWRITER SL5 *(CI,EA), 107*
Linear Alert ET-1B *(CM), 245*
Logo TouchTools for the PowerPad *(AS,ES,ET), 628*
Macaw *(CI,EA), 109*
Macaw-SC *(CI,EA), 110*
Macrat *(TI), 333*
Magic Wand Keyboard with McKey Mouse Option *(TI), 335*
Make It Scan *(AS,ES,ET), 631*
Maltron Keyboard *(TI), 335*
Me Too! *(PA), 742*
MegaWolf *(CI,EA), 110*
MessageMate 20 *(CI,EA), 111*
Micro-Alarm and Alert-911 *(CM), 246*
Micro-LADS and Micro-LADS in French *(ET,LT), 636*
MicroIllustrator *(DR,ET,PA,RE), 743*
Mid-Sized Communication Book *(CI,NA), 76*
Mini Keyboard *(TI), 337*
Mini Membrane Keyboard *(TI), 337*
Mini-Keyboards *(TI), 338*
Minimal Motion *(TI), 338*
Money Box Software *(AD,CN,ET), 638*
Money Skills *(AD,CN,ET,LS), 639*
Morsek Version 1.1 *(TI), 339*
Mouse Emulator *(MT,TI), 340*

Mouse in the Toy Box *(ET), 640*
MousePen *(MT,TI), 341*
MouseTouch *(MT,TI), 342*
Mousing Around *(MT), 477*
Multisensory Curriculum *(AM,CN,CR,ES,ET,LT), 641*
Muppet Learning Keys *(ET,GA,ID), 379*
MY HOUSE: Language Activities of Daily Living *(ET,LS,LT), 641*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(TI), 343*
Natural Language Processing Program *(ET,LT), 643*
Object-Picture Talk Board *(CI,NA,TR), 78*
Old MacDonald's Farm I and II *(ES,ET,LS), 645*
OneStrk *(TI), 346*
Overlays for the Expanded Membrane Keyboard, *479*
Padded Food *(AS,ES,ET), 646*
Padded Vehicles *(ES,ET), 647*
Paint Box & Snap II Software *(ET,LS), 647*
Paint Box Snap and Paint Box Clear Keys *(TI), 349*
Paper Dolls I and II *(AD,ES,ET), 648*
Parrot *(CI,TR), 40*
Passport Kits *(CI,NA), 79*
PC King Keyboard *(TI), 349*
PC Mini Keyboard *(TI), 350*
PEACEbook *(CI,NA), 80*
PEACEKEYPER *(CI,EA,NA,TR), 40*
Peacemaker *(CI,EA,NA,TR), 41*
Phone Care Automatic Dialer for the Disabled (ADD) *(CM), 248*
Play and Match *(AS,ET,ID,TR), 652*
Pocket Picture Holder *(NA), 85*
Pocket-Sized and Double Pocket-Sized Communication Book *(CI,NA), 85*
Point and Read *(ET,LS), 652*
Point to Pictures *(ET,TR), 653*
Porta Book *(CI,NA), 86*
Portable Communication Boards *(CI,NA), 86*
PowerPad *(DR,RE,TI), 354*
PowerPad Starter Kit *(TI), 355*
Puzzle Switches *(AS,TR), 43*
Quad Talk *(AS,ET,TR), 44*
RC-3000 Speakerphone *(EC,PC), 221*
RC5000 Radio Home Control System *(CM,EC), 222*
RELAX *(EC), 222*
Remote Keyboard *(KE,TI), 359*
Remote Keyboard for the Apple II+ and IIe *(DR,TI), 359*
Representational Play *(ES,ET,LT), 663*
Robotic Work Station Attendant *(BP,EC,PC,RC), 223*
RotoTyper *(KM,PA,WP), 755*
Say-It-All II Plus *(CI,EA,KG,PW), 115*
Say-It-Simply Plus *(CI,EA,ET,TR), 115*
Scribe *(CI,EA,KG,PW), 117*
Self-Talk Communication Boards *(CI,NA), 88*
Self-Talk Stickers *(CI,NA), 88*
Serial Trackball and PS/2 Trackball *(MT,TI), 363*
Signal Buzzer *(AS,CM,TR), 249*
Silly Sandwich *(ES,ET), 671*
SimpleCom I: Yes/No Communication *(CI,ET,TR), 672*
SimpleCom II: Needs/Wants Communication *(CI,ET,TR), 672*
SKERF-Pad *(SV,TO), 421*
Song Grid *(ES,ET), 675*
Special Education Public Domain Software *(CR,ET,LS), 676*
Special Friend Speech Prosthesis *(CI,EA), 119*
Specialist *(CI,EA,NA,TR), 47*
SpeechWare *(CI,EA,PA), 119*
Spell-A-Word & 2+2 *(CN,ET,LS), 678*
Start Talking *(ES,LS), 482*
SwitchEnsemble *(ET,RE,TR), 685*
Symbol Training Display *(AS,ET,TR), 51*
Symbol Writer *(AS,ES,ET,GA), 686*
System 2000 *(CI,EA), 120*
Talk-O *(CI,EA,TR), 121*
Talker II *(CI,EA,KG,PW), 121*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,ET,TR), 688*
Talking Pictures Communication Board *(CI,ET,NA), 89*
Talking Pictures, Kits I, II, and III *(CI,ET,NA), 89*
Talking Touch Window *(AS,CI,ET,TR), 689*
Tape-A-Message Mike and Adapted Tape-A-Message *(AS,ET,PC,TR), 51*
Tea Party *(ES,ET), 691*
Teenage Switch Progressions *(ET), 691*
Ten Key Board *(TI), 367*
This is the Way We Wash Our Face *(ES,ET,TR), 693*
TIGER Jr. *(CI,EA,NA,TR), 52*
Timekeeper *(AD,ET), 693*
Touch & Speak *(CI,ET,PA,TR), 759*
Touch 'N Talk Communication Board *(CI,ET,NA), 90*
Touch 'N Talk Communication Notebook *(CI,NA), 90*
Touch 'N Talk Micros *(CI,ET,NA), 91*
Touch and Match *(ES,ET), 694*
Touch and See *(ES,ET), 694*
Touch Com *(AS,CI,ET,TR), 542*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
TouchWindow *(DR,DS,ID,RE,WP), 380*
Tri-Responder *(AS,ET,TR), 56*
Twiddler *(MT,TI), 369*
Ultra 4 Remote System *(EC), 230*
Unicorn Membrane Keyboards *(TI,TW), 369*
Unidialer II *(EC,PC), 230*
Unipix *(CI,ET,NA), 92*
Universal Control System with Tongue Touch Keypad *(EC,PC), 231*
Universal I.R. Remote *(EC), 231*
UnMouse *(MT,TI), 370*
Up and Running, *484*
VISPA *(CR,ET), 703*
VOIS 160 *(CI,EA), 124*
Wheels On The Bus I, II, and III *(ES,ET,TR), 706*
WhisperWolf *(CI,EA), 124*
Words and Concepts I, II, III *(ET,LS,LT), 709*
Worm Squirm *(ES,ET,TR), 709*
Zoo Time *(ES,ET), 711*

Input Type: Speech Recognition

Systems that can recognize specific spoken words or phrases, and accept them as input.

Access-I *(CI,PW,TI), 297*
BUG Voice Command System *(TI), 304*
Butler-in-a-Box *(EC,PC,TI), 203*
CINTEX I and II *(EC,GA,PA,PC,WP), 725*
Computer-Aided Fluency Establishment Trainer (CAFET) *(ET,ST), 580*
Compuvox *(EC,TI), 305*
Controller *(EC), 204*
DragonDictate *(TI,WP), 308*
DragonWriter-1000 *(TI), 309*
HAL (Home Automation Link) *(EC,PC,TI), 319*
Hearsay Gold *(TI), 322*
IBM VoiceType 2 *(TI), 324*
Independence VoicePhone *(EC,PC), 214*
IntroVoice V *(TI), 325*
IntroVoice VI *(SS,TI), 325*
MacSpeech Lab *(ET,ST), 629*
Mastervoice Environmental Control Single User Unit *(EC,PC), 216*
Micro IntroVoice *(SS,TI), 336*
Optimum Resource Reading Program *(AS,ET,LS), 646*
Personal Attendant *(DS,EC,PC,TI,WP), 352*
Picture Scanner *(ET,TR), 650*
Portable Transaction Voice Computer *(TI), 353*
Pre-Dict-ate *(TI), 355*
R/S IV Series Wireless Link *(IA), 392*
Readable Stories Series *(ET,LS), 661*
Robotic Work Station Attendant *(BP,EC,PC,RC), 223*
Sapura S2000 HF *(EC,PC), 224*
Say & See *(AS,ET,ST), 539*
Simplicity Series ECUs *(EC,PC), 226*
Speech Secretary Systems *(TI,WP), 364*
SpeechViewer *(ET,ST), 677*
SpeechViewer II *(AM,ET,ST), 678*
Video Voice Speech Training System *(AR,ET,ST), 702*

Virtual Telephone *(EC,PC), 232*
Visi-Pitch Model 6095/6097 *(AR,ET,ST), 702*
Voice Card *(TI), 370*
Voice Express *(TI), 371*
Voice Master Key System and Key System II *(ID,SS,TI), 371*
Voice Math *(CN,ET), 705*
Voice Navigator SW and II *(TI), 372*
Voice Reading Ability Drill *(ET,LS), 705*
Voicebox *(TI), 372*
VoiceCAD *(DR,ID,PA), 380*

Input Type: Wireless

Systems having a wireless connection between two of its components.

Call Light 330/430 *(CM), 239*
Companion *(CM), 241*
DEUCE *(EC,PC,TW), 205*
Environmental Control *(EC,TR), 207*
EZRA *(CI,CM,EC,PC), 210*
FreeComm *(CI,EA,PA), 104*
Infrared Remote Control IRTI-I *(EC), 215*
KeyMouse *(MT,PA), 738*
LIFEWATCH *(CM), 244*
On-Command *(TI), 345*
On/Off Remote Switch *(EC), 219*
R/S IV Series Wireless Link *(IA), 392*
Radio Mouse *(MT,TI), 357*
Radio Remote Control *(EC), 221*
Ultra 4 Remote System *(EC), 230*
Wireless Data Transmission System *(IA), 394*

Output/Display: Braille Printer

Software or hardware that can drive a braille printer, or a braille printer itself.

Auto Braille *(BR,PA), 720*
BEX 3.1 *(BR,LP,PA,SV,WP), 722*
Braille Blazer *(BD,BP,BR), 433*
Braille BookMaker and Braille Express *(BD,BR), 433*
Braille-Talk *(BR,PA,SV), 724*
Braillo 200 *(BD,BP,BR), 435*
Braillo 400 S *(BD,BP,BR), 435*
Braillo Comet *(BD,BP,BR), 436*
CHPI Apple Tool Kit *(BR,KM,PA,TL,WP), 725*
ClasX *(BR,PA), 726*
Duxbury Braille Editor (Edgar) *(BR,PA), 728*
Duxbury Braille Font *(PA), 729*
Duxbury Braille Translator *(BR,PA), 729*
Elobox *(BR,PW,SV,TI,TO), 403*
Hot Dots Version 3.01 *(BR,PA), 736*
InfoTouch *(BD,BR,CI,PC,TD,TL), 129*
Marathon Brailler *(BD,BR), 437*
MathematiX *(BR,CN,PA), 742*
Mountbatten Brailler *(BD,BR,PW), 438*
MPRINT *(BD,BR), 438*
Ohtsuki BT-5000 Braille/Print Printer *(BD,BR), 439*
PC Braille *(BR,PA), 747*
PC Sift *(BR,PA), 748*
pixCELLS *(BR,DR,PA), 751*
ProBraille *(BR,PA), 752*
Quick Texttile Converter (QTC) *(BR,PA,WP), 753*
Ransley Braille Interface (RBI) *(BD,BR), 440*
Romeo Brailler *(BD,BR), 440*
TeleBraille II *(CI,PC,TD,TL), 140*
Thiel Braille Printer BETA X-3 *(BD,BR), 441*
TranscriBEX *(BR,PA,WP), 759*
TurboBraille *(BR,PA), 761*
VersaPoint-40 Braille Embosser *(BD,BR), 441*
Work-Station Pro *(PA), 767*
WP Sift *(BR,PA), 768*

Output/Display: Deaf Baudot (for TDD's)

Devices that use Baudot code: the code traditionally sent and received by TDDs (Telecommunication Devices for the Deaf). Some TDDs also send and receive ASCII code (a standard computer code).

Compact TDD *(TD), 129*
InfoTouch *(BD,BR,CI,PC,TD,TL), 129*
Intele-Modem *(CI,TD,TL), 130*
LUV 1 *(CI,PC,TD,TL), 130*
Memory Printer MP20D *(CI,PC,TD,TL), 131*
Memory Printer MP20DX *(CI,TD,TL), 131*
Memory Printer Plus *(CI,TD,TL), 132*
MIC300i Computer Modem *(PC,TD,TL), 132*
Minicom IV *(CI,PW,TD,TL), 133*
Multi-Line Dial-A-News System *(CI,PA,TD,TL), 745*
NexCom I *(CI,TD,TL), 133*
Panasonic Answerall 100 *(PC,TD,TL), 134*
Pay Phone TDD *(CI,PC,TD,TL), 134*
Pay Telephone I and II *(CI,PC,TD,TL), 135*
Personal Communication Terminal (PCT) *(CI,TD,TL), 135*
Phone-TTY CM-4 Computer Modem *(CI,PC,TD,TL), 136*
Porta View Model PV20, PV20D, PV20+ *(CI,TD,TL), 136*
SIDD (Software Interface for the Deaf and Disabled) *(PA,PC,TD), 755*
Supercom TDD *(CI,PC,TD,TL), 137*
Superprint 100, 200, 400 *(CI,PC,TD,TL), 137*
Superprint ES TDD *(CI,PC,TD,TL), 138*
TDD 2700, 2730, and 2830 *(CI,PC,TD,TL), 138*
TDD Communication Trainer System *(CI,TD,TR), 52*
TDD Detector *(TD), 139*
TeleBraille II *(CI,PC,TD,TL), 140*
Ultra-Silent *(PC,TD), 140*
VCS 3500 with TDD Software *(CI,PA,TD,TL), 763*

Output/Display: Ideographic/Pictographic Symbols

Products that can print or display pictograph-based messages.

DynaVox *(CI,EA), 101*
Overlay Express *(DR), 478*

Output/Display: Large Print

Products whose output can be printed or displayed in large characters.

Apple Demo Disk *(AS,ET), 555*
B-Edit *(LP,PA,WP), 721*
B-Pop *(LP,PA), 721*
Beamscope II *(LP,TO), 399*
BEX 3.1 *(BR,LP,PA,SV,WP), 722*
BIG for 1-2-3 *(DS,LP,PA), 722*
BIG for WordPerfect *(LP,PA), 723*
Big Letters *(ET,LP,LS,WP), 560*
Big Text Machine *(LP,PA), 723*
Business FOCUS *(LP,TO), 400*
Calc-Talk *(CN,LP,PA,SV), 724*
CloseView *(LP,TO), 401*
Compu-Lenz *(LP,TO), 402*
Eye Relief *(LP,PA,WP), 732*
Gizmo *(LP,SV,TO), 405*
inFocus *(LP,PA), 737*
inLARGE 2.0 *(LP,TO), 407*
inTOUCH *(TO), 407*
Kennedy Handi-Math Program *(CN,ET,LS), 618*
Keyboarder *(ET,KB,LP), 619*
Kidsview *(ET,LP), 622*
Kidsword *(ET,LP,WP), 622*
Language Master Special Edition *(ET,LP,LS,PA,SV,TO), 409*
Large Character Toolkit *(AP,ET), 623*

Large Print Display Processor *(LP,TO), 410*
Large Print Word Processors *(LP,PA,WP), 739*
Large-Type Display Utility Software *(LP,TO), 410*
Low Vision Editor (LVE) and LVE23 *(LP,PA,WP), 740*
LPDOS (Large Print DOS) *(LP,TO), 411*
LPDOS Deluxe Edition with LP-Windows *(DR,LP,TO), 411*
MAGic and MAGic Deluxe *(LP,PA), 741*
Magic Keyboard *(LP,TO), 412*
Magic Slate II *(ET,LP,LS,PA,WP), 629*
Magnum GT *(LP,TO), 412*
MegaDots *(BR,LP,PA), 743*
Mount Murdoch *(ET,GA,RE), 640*
Optacon II *(BD,LP,TO), 415*
OPTEQ V and VFF *(LP,TO), 416*
Panorama *(LP,TO), 417*
Peachy Writer Bold *(LP,PA), 749*
Powerama *(LP,TO), 417*
Schoolcraft Series Software *(CN,ET,GA), 666*
Sentence-Scan *(CI,EA,ET,PA), 118*
Sharon's Programs *(ES,ET,LS), 670*
Spell-A-Word & 2+2 *(CN,ET,LS), 678*
Spin and Spell *(ET,LS), 680*
Talking Writer & Four Games *(ET,KB,LP,PA,SV,WP), 757*
Tall Talk Prints v. 2 *(LP,SV,TO), 424*
Type to Learn *(ET,KB), 696*
Type-Hype *(ET,KB,LP), 697*
Verbal View *(LP,TO), 427*
VisAbility *(LP,PA), 765*
Vista and Vista 2 *(LP,TO), 429*
Write *(CI,ET,LS,SV), 710*
ZoomText *(LP,TO), 430*

Output/Display: Modem (ASCII)

Products that can send serial ASCII code over telephone lines if used with a modem.

InfoTouch *(BD,BR,CI,PC,TD,TL), 129*
Intele-Modem *(CI,TD,TL), 130*
Memory Printer MP20D *(CI,PC,TD,TL), 131*
Memory Printer Plus *(CI,TD,TL), 132*
MIC300i Computer Modem *(PC,TD,TL), 132*
NexCom I *(CI,TD,TL), 133*
Personal Communication Terminal (PCT) *(CI,TD,TL), 135*
SIDD (Software Interface for the Deaf and Disabled) *(PA,PC,TD), 755*
Supercom TDD *(CI,PC,TD,TL), 137*
Superprint 100, 200, 400 *(CI,PC,TD,TL), 137*
Superprint ES TDD *(CI,PC,TD,TL), 138*
TeleBraille II *(CI,PC,TD,TL), 140*

Output/Display: Speech Output

Products that provide synthesized or digitized speech output, either by themselves or in conjunction with a speech synthesizer or digitizer.

Accent-1600 *(SS), 445*
Accent-MC *(SS), 445*
Accent-Mini *(SS), 446*
Accent-PC *(SS), 446*
Accent-SA *(SS), 447*
Accent-SX *(SS), 447*
Action/Music Play *(ES,ET), 550*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
Adult Switch Progressions *(ET,TR), 551*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,ET,LT), 552*
APH/SEI Talking Software *(ET,LS,SV), 554*
Apple Demo Disk *(AS,ET), 555*
Apple IIGS Owner's Guide: Disk Edition, *466*
AppleWorks Companion *(PA,SV), 719*
Arithmetic 1, 2, and 3 with Speech *(AR,CN,ET,LS,SV), 556*
Arkenstone Reader *(TI,TO), 301*
Artic TransPort *(SS,SV), 448*
Artic Vision *(SV,TO), 398*
Audapter Speech System *(SS), 448*
Audible Cursor Routine *(CI,PA,TR), 720*
Audio Braille - Six Keys *(BR,ET), 557*
Audio Braille Game Tutorial *(BR,ET,GA,RE), 557*
AudScan II *(CI,EA), 97*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Avalon Computers *(SV,TO), 399*
Bear Jam *(ES,ET), 559*
BEX 3.1 *(BR,LP,PA,SV,WP), 722*
Big Letters *(ET,LP,LS,WP), 560*
Big/Little I and II *(ES,ET), 560*
BookWise *(TI,TO), 303*
Braille 'n Speak *(BR,PW,SS,SV,TI,TO), 400*
Braille-Talk *(BR,PA,SV), 724*
Buddy's Body *(AS,ES,ET), 563*
Business Vision *(SV,TO), 401*
Butler-in-a-Box *(EC,PC,TI), 203*
Calc-Talk *(CN,LP,PA,SV), 724*
CallText 5000 *(PC,SS), 449*
Canon Communicator CC-7S and CC-7P *(CI,EA), 98*
Children's Switch Progressions *(ET), 568*
COINSNKEYS *(CN,ES,ET,KB), 575*
Color Find *(ES,ET), 576*
Color Track *(ET), 576*
Communication Programs *(CI,EC,PA,TR), 727*
Community Signs *(AD,ET,LS,LT), 577*
Community Vehicles *(ES,ET), 578*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA,TR), 728*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,CR,ET,LS), 580*
CONCENTRATE! On Words & Concepts *(ET,LS,LT), 581*
Control Without Keyboards *(AS,CI,EA,ET,PA), 98*
Core Reading and Vocabulary Development *(ET,LS), 582*
CREATE *(AR,AS,CR,ES,ET,LS), 583*
Creature Antics and Creature Capers *(ET,GA,TR), 583*
Creature Chorus *(ET,TR), 584*
Creature Features *(ET,TR), 584*
DAC *(CI,EA,SS), 99*
DECtalk *(SS), 449*
DECtalk PC *(SS,TO), 402*
DigiVox *(CI,EA), 100*
Dinosaur Game *(ES,ET,GA,TR), 586*
DoubleTalk *(SS), 450*
Dr. Peet's Talk/Writer *(ET,LP,LS,WP), 587*
DynaVox *(CI,EA), 101*
Early and Advanced Switch Games *(ET), 588*
Early Concepts *(ES,ET), 588*
Early Learning 3.5/Complete Early Learning 5.25 *(ES,ET,LS), 589*
Early Learning I *(ES,ET), 590*
Early Learning II *(CN,ES,ET), 590*
Early Learning III *(CN,ET,LS), 591*
Echo II *(SS), 450*
Echo LC *(SS), 451*
Echo PCII *(SS), 451*
Echo Words PC *(PA), 730*
Echo-PC *(SS), 452*
EDACTS Keyboard *(CI,EC,TI,WP), 309*
Edmark Reading Program, Level 1 Software *(ES,ET,LS), 591*
Eency-Weency Spider Game *(ES,ET), 592*
Electronic Talk Board *(CI,ET,ID,PA,TR), 731*
Elementary Volume 1 - Mathematics *(CN,ET,LS,SV), 593*
Elobox *(BR,PW,SV,TI,TO), 403*
Employment Signs *(AD,ET,LS,LT), 594*
Enable Reader Professional Speech System *(SV,TO), 403*
ENCORE! *(PA,WP), 731*
Equalizer *(CI,DR,EA,PW,RE,TI,TW), 102*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Expanded Keyboard Emulator *(KM), 263*
Expanded Keyboards for Speak N' Spell *(EA,ET,TR), 103*

Exploratory Play *(ES,ET,LT), 595*
Eyegaze Computer System *(EA,EC,PC,TI), 103*
EZ Pilot for PowerPad *(AM,AP), 502*
Family Fun *(AS,ES,ET), 596*
Fast Food Game *(ES,ET), 597*
Feelings *(ES,ET), 597*
File-Talk *(DS,PA,SV), 732*
Fingerspeller and Fingernumbers *(AR,AS,ET,SI), 598*
First Categories *(ES,ET,LS,LT), 599*
First Verbs and Primeros Verbos *(ES,ET,LT), 600*
First Words *(ES,ET,LT), 601*
First Words II *(ES,ET,LT), 601*
Following Directions: One- and Two-Level Commands *(AR,ES,ET), 602*
Following Directions: Left and Right *(ES,ET), 602*
FreeComm *(CI,EA,PA), 104*
Freedom 1 *(SV,TO), 404*
Fun With Math *(CN,ET,SV), 604*
Further Adventures of Jimmy Jumper - Perseverance *(AS,ES,ET), 605*
Gateway Stories *(ET), 605*
Gizmo *(LP,SV,TO), 405*
HandiCHAT and HandiCHAT Deluxe *(SV,TO), 405*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
Handy Speech Communication Aide *(CI,EA,SS), 105*
Hearsay Gold *(TI), 322*
Help U Key *(TI), 323*
Help U Keyboard *(TI), 323*
Help U Type and Speak *(CI,EA,KM,PA), 735*
Hot Dots Version 3.01 *(BR,PA), 736*
I Can Talk *(CI,ES,ET,LT,TR), 611*
IBM Screen Reader/2 *(SV,TO), 406*
IBM Screen Reader/DOS *(SV,TO), 406*
Idioms in America *(AS,ET,LS,LT), 612*
If You're Happy and You Know It *(ES,ET), 612*
Information Signs *(AD,ET,LS,LT), 613*
IntelliTalk *(CI,PA), 737*
Interaction Games *(ES,ET,GA,TR), 614*
Interaction Games II *(ES,ET,GA,TR), 615*
IntroTalker *(CI,EA,ET,TR), 105*
IntroVoice VI *(SS,TI), 325*
IRIS Reading Interface *(SV,TI), 326*
Isos (Interactive Speech Operating System) *(SV,TO), 408*
JAWS Screenreader *(SV,TO), 408*
Joystick Trainer *(ET,TR), 618*
Keyboarding Program with Voice Output *(ET,KB), 620*
Keynote GOLD *(SS), 452*
Keys to Success: Comp. Keybd. Skills for Blind Children *(ET,KB,SV), 621*
Keysoft *(CN,PA,SV,WP), 738*
Keytalk *(ET,KB,LS), 621*
Keyterm *(PA,SV,TL), 739*
Language Master Special Edition *(ET,LP,LS,PA,SV,TO), 409*
LapTalker and LapTalker Plus *(TO), 409*
Laser Optic Keyboard *(CI,TI), 331*
Learning the Alphabet *(ES,ET), 625*
Learning to Spell Braille Signs *(BR,ET), 626*
Lesson Editor *(AM,AP), 509*
Let's Go Shopping I and II *(ES,ET), 626*
Letter Find *(CN,ES,ET,KB,SV), 627*
Liberator *(CI,CN,EA,PW,TI), 106*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightWRITER SL8 and SL80 *(CI,EA), 108*
LightWRITER SL81 and SL82 *(CI,EA), 108*
Lingraphica *(CI,CR,EA,PA), 109*
Listen and Spell *(ET,LS), 627*
Logo TouchTools for the PowerPad *(AS,ES,ET), 628*
Macaw *(CI,EA), 109*
Macaw-SC *(CI,EA), 110*
Master Talker *(AP,SV), 475*
MasterTOUCH *(SV,TO), 413*
Maze *(ET,GA,RE), 634*
MegaWolf *(CI,EA), 110*
Message Maker *(CI,EA,PA), 111*
MessageMate 20 *(CI,EA), 111*
Micro IntroVoice *(SS,TI), 336*
Micro-LADS and Micro-LADS in French *(ET,LT), 636*
Mini Talking Card Reader *(CI,ET,TR), 39*
Mix 'N Match *(AR,ES,ET), 637*
Money Skills *(AD,CN,ET,LS), 639*
Mousing Around *(MT), 477*
Multisensory Curriculum *(AM,CN,CR,ES,ET,LT), 641*
MultiVoice *(SS), 453*
Old MacDonald's Farm I and II *(ES,ET,LS), 645*
OmniWriter *(PA,WP), 746*
Optimum Resource Reading Program *(AS,ET,LS), 646*
outSPOKEN 1.7 *(SV,TO), 416*
Padded Food *(AS,ES,ET), 646*
Padded Vehicles *(ES,ET), 647*
Paper Dolls I and II *(AD,ES,ET), 648*
Parrot *(CI,TR), 40*
PC-Voice *(CI,EA,PA,PW,TI), 748*
PEACEKEYPER *(CI,EA,NA,TR), 40*
Peacemaker *(CI,EA,NA,TR), 41*
Personal Reader (KPR) *(TI), 352*
Personal Speech System *(SS), 453*
PhoneCommunicator *(PA,PC,TD), 749*
Pictalk *(CI,ES,ET,TR), 649*
Picture Scanner *(ET,TR), 650*
PII - Personalized Information for Independence *(AD,AR,CR,ET,LS), 651*
Point to Pictures *(ET,TR), 653*
PopComm *(CI,PA,SS), 751*
Porta-Voice *(CI,EA,PW,WP), 112*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
Program for Aphasics *(CR,ET), 657*
Programs for Early Learning and the Retarded *(ES,ET), 657*
Protalk *(SV,TO), 418*
ProTERM *(SV,TE,TO), 419*
PROVOX *(SV,TO), 419*
ProWORDS *(PA,SV,WP), 753*
Quick Talk *(CI,EA,PA,PC), 113*
Ralph the Reader *(PA,SV), 754*
Readable Stories Series *(ET,LS), 661*
Reading Edge *(TI), 358*
RealVoice *(AS,CI,EA,EC,PW,TI,TW), 114*
RealVoice PC *(SS), 454*
Representational Play *(ES,ET,LT), 663*
Rockets to the Moon *(ES,ET,GA,TR), 664*
RotoTyper *(KM,PA,WP), 755*
Safety Signs *(AD,ET,LS,LT), 665*
Say & See *(AS,ET,ST), 539*
Say It *(CI,EA,PA), 114*
Say-It-All II Plus *(CI,EA,KG,PW), 115*
Say-It-Simply Plus *(CI,EA,ET,TR), 115*
Scan & Speak *(CI,ET,TR), 666*
Scan-It-All *(CI,EA,EC), 116*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
SCAT (Screen Articulator) *(SV,TO), 420*
ScreenDoors *(TI), 362*
Sentence-Scan *(CI,EA,ET,PA), 118*
Sight Word Spelling *(ET,LS,SV), 670*
Sight Words *(ET,LS), 671*
Silly Sandwich *(ES,ET), 671*
SimpleCom I: Yes/No Communication *(CI,ET,TR), 672*
SimpleCom II: Needs/Wants Communication *(CI,ET,TR), 672*
Single Choice Toy Program *(ET,TR), 673*
SKERF-Pad *(SV,TO), 421*
Slimware *(SV,TO), 421*
Slimware Window Bridge *(SV,TO), 422*
Slotbuster II *(SS), 454*
Soft Vert *(SV,TO), 422*
Song Grid *(ES,ET), 675*
Sound Match *(AS,ES,ET), 675*
Sounding Board *(SS), 455*
SoundProof *(SS,SV,TO), 423*
Speaking Speller *(ET,LS,SV), 676*
Speaqualizer *(SV,TO), 423*
Special Education Public Domain Software *(CR,ET,LS), 676*
Special Friend Speech Prosthesis *(CI,EA), 119*
Specialist *(CI,EA,NA,TR), 47*

Speech Thing *(SS), 455*
Spell-A-Word & 2+2 *(CN,ET,LS), 678*
Spell-Talk *(ET,LS,SV), 679*
Spelling Tutor *(ET,LS), 679*
SPELLIST *(ET,LS), 680*
SPEX *(PA,SV), 756*
Start Talking *(ES,LS), 482*
Story-Ware *(ET,WP), 681*
Study Buddy *(ET), 682*
Survival Words *(AD,AS,ET,LS,LT), 683*
Switch It - Change It *(ES,ET), 684*
Switch It - See It *(ES,ET), 684*
Symbol Writer *(AS,ES,ET,GA), 686*
Synergy Computer System *(CI,PW,TI), 366*
SynPhonix 210 and 215 *(IA,SS), 456*
SynPhonix 220 and 225 *(IA,SS), 456*
SynPhonix 230 and 235 *(SS), 457*
SynPhonix 250 and 255 *(SS), 457*
SynPhonix 310 and 315 *(SS), 458*
System 2000 *(CI,EA), 120*
Talk-O *(CI,EA,TR), 121*
Talker II *(CI,EA,KG,PW), 121*
Talking EyePoint Board *(CI,EA,TI), 122*
Talking Games #1 *(GA,RE,SV), 716*
Talking Keys *(ET,TR), 687*
Talking Literacy Kit for the Apple IIe (TALK) *(ET,GA,KB,WP), 687*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,ET,TR), 688*
Talking Public Domain Disks *(ET,LS,SV,VO), 688*
Talking Riddles *(ET,LS,SV), 689*
Talking Screen *(CI,EA,PA), 122*
Talking Sensible Speller *(PA,SV), 756*
Talking Symbols *(CI,EA,PA), 757*
Talking Touch Window *(AS,CI,ET,TR), 689*
Talking Utilities for ProDOS, *483*
Talking Writer & Four Games *(ET,KB,LP,PA,SV,WP), 757*
Tall Talk Prints v. 2 *(LP,SV,TO), 424*
Tape-A-Message Mike and Adapted Tape-A-Message *(AS,ET,PC,TR), 51*
TDD Detector *(TD), 139*
Tea Party *(ES,ET), 691*
Teacher's Pet *(AM,AP), 519*
Televox *(PC,SS,TO), 458*
Telling Time, Parts of the Face, Learning Colors *(ES,ET), 692*
Term-Talk *(PA,SV), 758*
TEXTALKER *(ET,SV,TO), 424*
This is the Way We Wash Our Face *(ES,ET,TR), 693*
TIGER Jr. *(CI,EA,NA,TR), 52*
Touch & Speak *(CI,ET,PA,TR), 759*
Touch Com *(AS,CI,ET,TR), 542*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
Transportation Signs *(AD,ET,LS,LT), 695*
TRAX PAX Talking Checkbook *(PA,SV), 760*
TRAX PAX Talking File Box *(PA,SV), 760*
Twenty Categories *(AR,ET,LS), 696*
Type & Speak *(CI,PA,SV), 761*
Type 'n Speak *(PW,SV,TO), 426*
Type-'N-Talk *(SS), 459*
Ufonic Voice System *(ET,SS), 459*
Ultimate Banker *(CN,PA,SV), 762*
Ultimate File Cabinet *(DS,PA), 762*
Verbal Operating System (VOS) 5.0 and VOS Basic *(KM,SV,TO), 427*
VERBal STAR *(PA,SV,WP), 763*
Verbette Mark I *(SS), 460*
Verbette Mark II *(SS), 460*
Vert Plus *(SV,TO), 428*
VIC-Talker / 64-128 Talker *(SS,SV), 461*
ViewKey *(CI,EA,PA), 765*
Vocal-Eyes *(SV,TO), 429*
VocaLite *(SS), 461*
Voice Card *(TI), 370*
Voice Master Key System and Key System II *(ID,SS,TI), 371*
Voice Math *(CN,ET), 705*
Voice Reading Ability Drill *(ET,LS), 705*
VoiceMate, SwitchMate, ScanMate *(TR), 58*
VOIS 160 *(CI,EA), 124*
Western Center Echo Synthesizer Package *(SV), 486*
Wheels On The Bus I, II, and III *(ES,ET,TR), 706*
Where is Puff? *(ES,ET), 706*
WhisperWolf *(CI,EA), 124*
Word-Talk *(PA,SV,WP), 767*
Words and Concepts I, II, III *(ET,LS,LT), 709*
Work-Station Pro *(PA), 767*
Worm Squirm *(ES,ET,TR), 709*
Write *(CI,ET,LS,SV), 710*
Write:OutLoud (J30) *(PA), 768*
Yes-No Voice Box *(CI,EA,TR), 59*
Zoo Time *(ES,ET), 711*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo Talking Notebook II *(CI,CN,EA,PW,WP), 126*

Output/Display: Tactile/Braille Display (Dynamic)

Products that provide changing tactile output. The most common form is a dynamic (refreshable) braille display, which has small pins that raise and lower electronically to form braille characters.

ALVA Braille Terminals *(BD,BR,TO), 397*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR,WP), 727*
Dynaread *(PA,WP), 730*
InfoTouch *(BD,BR,CI,PC,TD,TL), 129*
inTOUCH *(TO), 407*
KeyBraille *(BD,BR), 437*
Navigator *(BD,BR,PW,TO), 413*
Notex *(BR,PW,TO,WP), 414*
Optacon II *(BD,LP,TO), 415*
Optacon PC *(TO), 415*
Silent Page System *(CM), 250*
Vibra-Call System *(CM), 251*

Switch Inputs: Uses Analog Control

Products using an analog control, such as a proportional joystick.

LIAISON *(EC,KE,PC,TI), 331*
Proportional Keystroke Scanner *(TI), 356*

Switch Inputs: Uses Dual Switch

Products accepting a dual switch or two single switches as input.

90-A Timer and CTR-1 Counter *(AS,EC,ET,TR), 21*
Ability Switch Tester *(AS,ET,TR), 21*
Academics with Scanning: Language Arts *(ET,LS), 549*
Academics with Scanning: Math *(CN,ET), 549*
Active Therapy System (ACTS) *(AS,EC,ET,TR), 551*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
ALTKEY *(TI), 299*
AND Module *(TR), 23*
And Or Box *(AS,TR), 24*
Apple Computer Input Adapter *(IA), 383*
Apple Demo Disk *(AS,ET), 555*
Arcademic Skill Builders In Math: Set-Ups for the AFC *(ET), 466*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
BEST Faces *(ES,ET), 559*
BEST Switch Interface *(IA), 383*
Call Signal 2 *(AS,CM,TR), 240*
Catch the Cow *(AS,TR), 531*
Cause 'n Effect *(ES,ET), 567*
CINTEX I and II *(EC,GA,PA,PC,WP), 725*
Cogrehab Vol. 5 *(CR,ET,LS), 574*
Colors and Shapes *(ES,ET), 577*
Comboard *(AS,CI,ET,TR), 28*

Compartmentalized Communicator *(AS,CI,ET,TR), 29*
Computer Switch Interface *(IA), 384*
Control 1 *(EC,PC), 204*
Controller *(EC), 204*
DARCI TOO *(TI), 306*
Dial Scan *(AS,CI,ET,TR), 33*
Dual Channel Latching Switch Interface *(AS,EC,ET,TR), 33*
Dual Switch Latch and Timer *(AS,EC,ET,TR), 34*
DynaVox *(CI,EA), 101*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Ez-Control Modular Environmental Control System *(EC,PC), 209*
ezMorse *(TI), 314*
ezScan *(TI), 315*
First Verbs and Primeros Verbos *(ES,ET,LT), 600*
First Words *(ES,ET,LT), 601*
First Words II *(ES,ET,LT), 601*
Geometric Figures and Spatial Concepts *(ES,ET), 606*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
Infrared Remote Control IRTI-1 *(EC), 215*
Interaction Games *(ES,ET,GA,TR), 614*
Interaction Games II *(ES,ET,GA,TR), 615*
Interface Box for Apple II *(IA), 386*
Join the Circus *(AS,ES,ET), 616*
Keyboard Covers *(KM), 270*
Kincontrol *(EC), 215*
Learning the Alphabet *(ES,ET), 625*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
MessageMate 20 *(CI,EA), 111*
MicroDEC II *(CM,EC,PC), 217*
Morse Code WSKE II *(TI), 339*
Morsek Version 1.1 *(TI), 339*
Motor Training Games *(AS,ET,GA,RE), 716*
Next Page Page Turner *(BP,EC), 218*
OmniWriter *(PA,WP), 746*
Picture Scanner *(ET,TR), 650*
Robotic Work Station Attendant *(BP,EC,PC,RC), 223*
Scanning Remote Control (SRC) *(EC), 225*
Scanning WSKE II *(TI), 362*
Scanning X-10 Powerhouse *(EC), 225*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
Sentence-Scan *(CI,EA,ET,PA), 118*
Series Adapter *(AS,TR), 47*
Sharon's Programs *(ES,ET,LS), 670*
Speller Teller Communicators *(AS,CI,ET,TR), 48*
Steeper Communication/Teaching Aid *(AS,CI,TR), 48*
Switch Interface *(IA), 392*
Switch Latch *(AS,EC,ET,TR), 49*
Switch Latch/Timer *(AS,TR), 50*
Switch Latcher SWL-1 and Double Switch Latcher DSL-2 *(AS,TR), 50*
Switchboard *(CI,EA,ET), 120*
SwitchEnsemble *(ET,RE,TR), 685*
SwitchMouse *(MT,TI), 366*
Tone Switch Box *(AS,ET,TR), 53*
Touch Turner *(BP,EC), 228*
Training Aid 2 *(AS,EC,ET,TR), 56*
TV Converter Model 4020 *(EC), 228*
TVRC and TVRCS *(EC), 229*
Ultra 4 Remote System *(EC), 230*
Universal I.R. Remote *(EC), 231*
Universal Input Adaptor *(IA), 393*
Versascan *(AS,CI,ET,TR), 57*
VoiceMate, SwitchMate, ScanMate *(TR), 58*
WPS Loquitur 115 and 250 *(TR), 59*
Yes-No Voice Box *(CI,EA,TR), 59*
Zygo Model 16C-JK *(AS,CI,ET,TR), 60*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*

Switch Inputs: Uses Joystick (4 or 5 Switches)

Products accepting input from a four-switch or five-switch joystick.

CINTEX I and II *(EC,GA,PA,PC,WP), 725*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA,TR), 728*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,CR,ET,LS), 580*
DARCI TOO *(TI), 306*
DynaVox *(CI,EA), 101*
Edmark Reading Program, Level 1 Software *(ES,ET,LS), 591*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Foundations 1 *(AR,CR,ES,ET), 603*
LipStick and WordWriter *(MT,TI), 332*
Lite Touch *(DR,GA,RE,TI), 333*
Memory I *(CR,ES,ET,LS), 635*
Memory II *(CR,ES,ET,LS), 635*
Picture Perfect *(DR,PA,RE), 750*
Proportional Simulations Disk *(AS,ET), 538*
Race the Clock *(ET,GA,RE), 659*
ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
Special Skill Builders I & II *(CN,ES,ET), 677*
Survival Words *(AD,AS,ET,LS,LT), 683*
SwitchMouse *(MT,TI), 366*
Universal Input Adaptor *(IA), 393*
Visuospatial Skills I *(AR,CR,ET), 703*
X-10 Home Control Interface *(EC), 233*

Switch Inputs: Uses Multiple Switches (3 to 16 Switches)

Products accepting 3 - 16 switches as input.

Ability Switch Tester *(AS,ET,TR), 21*
Active Therapy System (ACTS) *(AS,EC,ET,TR), 551*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
BEST Faces *(ES,ET), 559*
BEST Switch Interface *(IA), 383*
CINTEX I and II *(EC,GA,PA,PC,WP), 725*
Cogrehab Vol. 5 *(CR,ET,LS), 574*
Colors and Shapes *(ES,ET), 577*
Compartmentalized Communicator *(AS,CI,ET,TR), 29*
DARCI TOO *(TI), 306*
Electronic Talk Board *(CI,ET,ID,PA,TR), 731*
Gewa Page Turner *(BP,EC), 211*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
Joystick Replacer Box *(IA), 387*
Keyboard Covers *(KM), 270*
Keypad Trainer *(AS,TR), 37*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
Lite Touch *(DR,GA,RE,TI), 333*
Money Skills *(AD,CN,ET,LS), 639*
Morsek Version 1.1 *(TI), 339*
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Next Page Page Turner *(BP,EC), 218*
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RC5000 Radio Home Control System *(CM,EC), 222*
Steeper Communication/Teaching Aid *(AS,CI,TR), 48*
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Switchboard *(CI,EA,ET), 120*
SwitchEnsemble *(ET,RE,TR), 685*
Ultra 4 Remote System *(EC), 230*
WPS Loquitur 115 and 250 *(TR), 59*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW), 125*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

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AC Adaptor FRE-103C *(TR), 22*
Academics with Scanning: Language Arts *(ET,LS), 549*
Academics with Scanning: Math *(CN,ET), 549*
Active Therapy System (ACTS) *(AS,EC,ET,TR), 551*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,ET,LT), 552*
ALTKEY *(TI), 299*
Aphasia Series: I through VIII *(CR,ET,LS), 554*
Apple Computer Input Adapter *(IA), 383*
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Arcademic Skill Builders In Math: Set-Ups for the AFC *(ET), 466*
Audible Cursor Routine *(CI,PA,TR), 720*
Audio Control Unit Model 112 *(AS,TR), 24*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Automatic Page Turner *(BP,EC), 201*
Battery Adapter *(AS,ET,TR), 25*
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Battery Interface *(AS,ET,TR), 26*
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Bed Control (DBC-1) *(EC), 201*
BEST Faces *(ES,ET), 559*
BEST Switch Interface *(IA), 383*
Big/Little I and II *(ES,ET), 560*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,CR,ET), 563*
Build-A-Scene *(ET), 564*
Call Signal 2 *(AS,CM,TR), 240*
Canon Communicator CC-7S and CC-7P *(CI,EA), 98*
Catch the Cow *(AS,TR), 531*
Cause 'n Effect *(ES,ET), 567*
CCT Environmental Control *(EC), 203*
Chime Alarm *(AS,CM,TR), 240*
CINTEX I and II *(EC,GA,PA,PC,WP), 725*
Clock Communicator *(AS,CI,ET,TR), 28*
Cogrehab Vol. 5 *(CR,ET,LS), 574*
Colors and Shapes *(ES,ET), 577*
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Counter Box *(AS,TR), 31*
Counter Module *(AS,ET,TR), 32*
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Creature Chorus *(ET,TR), 584*
Creature Features *(ET,TR), 584*
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Dual Clock Communicator *(CI,TR), 34*
Dual Switch Latch and Timer *(AS,EC,ET,TR), 34*
DynaVox *(CI,EA), 101*
E-Tran Scanner *(AS,CI,ET,TR), 35*
Early Concepts *(ES,ET), 588*
Early Learning I *(ES,ET), 590*
Early Learning II *(CN,ES,ET), 590*
Eency-Weency Spider Game *(ES,ET), 592*
Environmental Control *(EC,TR), 207*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Ez-Control Modular Environmental Control System *(EC,PC), 209*
ezMorse *(TI), 314*
EZRA *(CI,CM,EC,PC), 210*
ezScan *(TI), 315*
Fast Food Game *(ES,ET), 597*
First Categories *(ES,ET,LS,LT), 599*
First Verbs and Primeros Verbos *(ES,ET,LT), 600*
First Words *(ES,ET,LT), 601*
First Words II *(ES,ET,LT), 601*
Gateway Stories *(ET), 605*
Getting Clean with Herkimer Level I, II, III *(ET), 606*
Gewa Page Turner *(BP,EC), 211*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HeadMaster *(MT,TI), 321*
HECS-1 *(EC,PC), 213*
Help U Key *(TI), 323*
I Can Talk *(CI,ES,ET,LT,TR), 611*
Imperium 100 Environmental Control Unit *(EC), 214*
Independence VoicePhone *(EC,PC), 214*
Input Adapter *(IA), 385*
Invertor Module *(AS,TR), 36*
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Mac-Apple Communications Aid *(CI,CN,DR,ES,ET,PA,WP), 741*
Macaw-SC *(CI,EA), 110*
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Make It In Time *(AS,ES,ET), 630*
Make It Scan *(AS,ES,ET), 631*
Message Maker *(CI,EA,PA), 111*
MessageMate 20 *(CI,EA), 111*
Micro-Alarm and Alert-911 *(CM), 246*
Micro-LADS and Micro-LADS in French *(ET,LT), 636*
MicroDEC II *(CM,EC,PC), 217*
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MY HOUSE: Language Activities of Daily Living *(ET,LS,LT), 641*
Next Page Page Turner *(BP,EC), 218*
OmniWriter *(PA,WP), 746*
On/Off Remote Switch *(EC), 219*
One Access *(IA,TI), 346*
One-Switch Paintbrush *(DR,PA), 746*
Pictalk *(CI,ES,ET,TR), 649*
Picture Scanner *(ET,TR), 650*
Pictures Programs: I, II and III *(CR,ES,ET,LS), 651*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
PowerLink 2 *(EC), 220*
Public Domain Software *(CN,ES,ET,LS,PA), 658*
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Quad Talk *(AS,ET,TR), 44*
Rabbit Scanner *(AS,ES,ET), 659*
Reactions (R73) *(ES,ET), 660*
Revolving Doors *(MT,TI), 360*
Rhythm Generator *(AS,TR), 44*
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Rotary Communication Scanner *(AS,CI,ET,TR), 45*
RotoTyper *(KM,PA,WP), 755*
Round Clock Communicator *(CI,TR), 45*
Run Rabbit Run *(AS,ES,ET), 665*
Saltus Reader *(BP,EC), 224*
Say It *(CI,EA,PA), 114*
Scan & Speak *(CI,ET,TR), 666*
Scan Com *(CI,EA), 116*
Scan-It-All *(CI,EA,EC), 116*
Scanning Remote Control (SRC) *(EC), 225*
Scanning WSKE II *(TI), 362*
Scanning X-10 Powerhouse *(EC), 225*

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ScanPAC *(CI,CN,EA,EC,PW,TI,TW), 117*
SenSei *(EC,PA,PC,TI,TL), 363*
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Sharon's Programs *(ES,ET,LS), 670*
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Single Switch Assessment Program for IBM *(AS,ET,TR), 541*
Sound Match *(AS,ES,ET), 675*
SpeakEasy *(CI,EA), 118*
Special Friend Speech Prosthesis *(CI,EA), 119*
SpeechWare *(CI,EA,PA), 119*
Steeper Communication/Teaching Aid *(AS,CI,TR), 48*
Sunny Days *(ET,LS), 682*
Switch Arcade *(ET,GA), 683*
Switch Interface *(IA), 392*
Switch It - Change It *(ES,ET), 684*
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Switch Latch *(AS,EC,ET,TR), 49*
Switch Latch/Timer *(AS,TR), 50*
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SwitchEnsemble *(ET,RE,TR), 685*
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Symbol Writer *(AS,ES,ET,GA), 686*
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Telephone Management System *(EC,PC), 227*
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Versascan *(AS,CI,ET,TR), 57*
Vibrating Sack *(AS,ET,TR), 58*
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Where is Puff? *(ES,ET), 706*
WhisperWolf *(CI,EA), 124*
Wish Writer *(PA,WP), 766*
Words and Concepts I, II, III *(ET,LS,LT), 709*
WPS Loquitur 115 and 250 *(TR), 59*
Yes-No Voice Box *(CI,EA,TR), 59*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW), 125*
Zygo Model 16C-JK *(AS,CI,ET,TR), 60*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

Index 3

Switches Listed by Input/Output Feature

This index includes all switches listed by the type of input and by the number of switches. Within each list the switches appear alphabetically. After each switch are three-letter codes which tell what other categories that switch is listed under. A key to the input/output features and three-letter codes used in this index appears on the next page.

Titles of product lists in this index:

Input Type: Air (Sip/Puff) {ITA}
Input Type: Contact (Zero Pressure) {ITC}
Input Type: Eye Movement and Eye Gaze {ITE}
Input Type: Joystick/Wobblestick {ITJ}
Input Type: Light Sensitive (Optical) {ITL}
Input Type: Movement Activated {ITM}
Input Type: Noise (Sound or Vocalization) {ITN}
Input Type: Pressure Sensitive {ITP}
Input Type: Wireless {ITW}

Switch Outputs: Dual Switch {SO2}
Switch Outputs: Joystick (4 or 5 Switches) {SOJ}
Switch Outputs: Multiple switches (3 to 16 Switches) {SOM}
Switch Outputs: Single Switch {SO1}

Input/Output Feature codes which may appear in parentheses after items in this index:

ITA	Input Type: Air (Sip/Puff)
ITC	Input Type: Contact (Zero Pressure)
ITE	Input Type: Eye Movement or Eye Gaze
ITJ	Input Type: Joystick/Wobblestick
ITL	Input Type: Light Sensitive (Optical)
ITM	Input Type: Movement Activated
ITN	Input Type: Noise (Sound or Vocalization)
ITP	Input Type: Pressure Sensitive
ITW	Input Type: Wireless
SO1	Switch Outputs: Single Switch
SO2	Switch Outputs: Dual Switch
SOJ	Switch Outputs: Joystick (4 or 5 Switches)
SOM	Switch Outputs: Multiple switches (3 to 16 Switches)

Input Type: Air (Sip/Puff) {ITA}

Input devices operated by sip-and-puff style switches. This code is only applied to systems that come equipped with such a switch. Systems that accept any switch as input can often be connected to sip-and-puff switches purchased separately (see "Input Jack," below).

4-Pneumatic Switch: CM-17 *(SOM), 143*
Air Switch *(SO1), 146*
Breath Input Device *(SO2), 149*
Dual Pneumatic Switch: CM-14 *(SO2), 155*
Dual Puff-Sip Switch DPS-2 *(ITP), 155*
Pneumatic Switch *(SO2), 175*
Pneumatic Switch *(SO2), 176*
Pneumatic Switch: CM-3 *(SO2), 176*
Puff Switch *(SO1), 178*
Sip & Puff Switch *(SO1), 182*
Sip and Puff Switch, *183*
Universal Puff Switch, *190*

Input Type: Contact (Zero Pressure) {ITC}

Systems that require absolutely no pressure, only contact, to activate.

Capacitive Touchplate Interface *(SOM), 150*
Cylindrical Touch Switch *(SO2), 153*
Magnetic Finger Switch *(ITM,SO1), 168*
P-Switch *(ITM,ITP,SO1), 172*

Input Type: Eye Movement and Eye Gaze {ITE}

Systems based upon the movement of the eyes. This includes electronic and non-electronic systems based on gaze, but does not include switch-type systems based on wrinkling the eyebrows or blinking (see "Movement Activated" below).

BlinkSwitch, *148*
IST Switch *(ITL,ITM,SO1), 163*

Input Type: Joystick/Wobblestick {ITJ}

Systems that accept a joystick or wobblestick as input. The joystick can be discrete (four or five switches) or analog (proportional).

4-Switch Joystick: CM-19 *(SOJ), 144*
Joystick *(SOJ), 164*
Joystick Interface Control *(SOJ), 164*
Joystick with Pad Switch *(ITP,SOJ), 164*
Mini Joystick with Push Switch *(ITP,SOJ), 170*
PRC Joystick *(SOJ), 176*
Touch Sensitive Joystick Control *(SO1), 188*

Input Type: Light Sensitive (Optical) {ITL}

Systems that are controlled by a projected or received source of light. Includes light pens as well as longer range light pointers.

IST Switch *(ITE,ITM,SO1), 163*
Light-Activated Switch *(SO1), 167*
Photo Cell Switch *(ITM,SO1), 172*

Input Type: Movement Activated {ITM}

Systems that are controlled by some type of movement not necessarily involving pressure. Devices specifically requiring pressure to activate will be listed under Input Type: Pressure Sensitive, rather than here.

Barrel Switch *(SO1), 147*
Eyebrow Switch *(SO1), 157*
Finger Flex Switch *(SO1), 157*
Flex Switch *(ITP,SO1), 158*
Head Control Switch *(SO1), 160*
Head Position Interface *(SOJ), 160*
Head Switch *(SO1), 161*
Head Switch Kit *(SO1), 162*
Headband Switch *(SO1), 162*
IST Switch *(ITE,ITL,SO1), 163*
Magnetic Finger Switch *(ITC,SO1), 168*
Mercury Switch *(SO1), 169*
Mercury Tilt Switch *(SO1), 169*
P-Switch *(ITC,ITP,SO1), 172*
Photo Cell Switch *(ITL,SO1), 172*
Pull Switch *(ITP,SO1), 178*
SCATIR, *181*
Sensor Switch *(SO1), 181*
String Switch *(ITP), 185*
Tilt Switch *(SO1), 186*
Tilt Switch *(SO1), 187*
Tip Switch *(SO1), 187*
Wrist/Arm/Leg Switch *(SO1), 193*

Input Type: Noise (Sound or Vocalization) {ITN}

Systems which are activated by a general sound.

Voice Activated Switch *(SO1), 191*
Voice Activated Switch *(SO1), 191*

Input Type: Pressure Sensitive {ITP}

Most touchpads and non-standard keyboards, plus anything activated by pushing, pulling or grasping. Also any non-electronic communication system where choices are indicated by pointing.

4-Plate Switch: CM-15 *(SOM), 143*
4-Pushbutton Switch: CM-16 *(SOM), 143*
5-Pushbutton Switch: CM-18 *(SOM), 144*
5-Tread Switch Slot Control: CM-50 *(SOM), 144*
Adjustable Pressure Switch, *145*
Air Cushion Switch *(SO1), 145*
Air Cushion Switch (Single or Dual) *(SO1,SO2), 145*
Arm Slot Control *(SOM), 146*
Armslot Switch Controller ASC-5 *(SOM), 146*
Bear Switch *(SO1), 147*
Big Red, Yellow, Green, and Blue *(SO1), 148*
Body Switch BS-1 *(SO1), 148*
Button Switch *(SO1), 149*
Cap Switch *(SO1), 150*
Clamp-On Bump Switch *(SO1), 150*
Classic Paddle Switch *(SO1), 151*
Coil Spring Wobble Stick Switch *(SO1), 151*
Computer Keyboard Switch *(SO1), 151*
Computer Plate Switch *(SO1), 152*
Cup Switch *(SO1), 152*
Deluxe Paddle Switch II and Mini Deluxe Paddle Switch *(SO1), 153*
Developmental Lever Panel *(SO2), 153*
Double Push Panel *(SO2), 154*
Double-Touch Switch, *154*
Dual Plate Switch: CM-12 *(SO2), 155*
Dual Puff-Sip Switch DPS-2 *(ITA), 155*
Dual Pushbutton Switch: CM-13 *(SO2), 156*
Dual Rocking Lever Switch *(SO2), 156*

Dual Tongue Switch TS-2C *(SO2), 156*
Flat Air Cushion Switch *(SO1), 158*
Flex Switch *(ITM,SO1), 158*
Flexit Switch *(SO1), 158*
Grasp Switch *(SO1), 159*
Grasp Switch *(SO1), 159*
Grip Switch *(SO1), 159*
Hand Switch *(SO1), 160*
Head Switch *(SO1), 161*
Head Switch, *161*
Intention Switch *(SO1), 162*
Joystick with Pad Switch *(ITJ,SOJ), 164*
L.T. Switch *(SO1), 165*
Leaf Switch *(SO1), 165*
Leaf Switch *(SO1), 165*
Leaf Switch: CM-2/CM-7 *(SO1), 166*
Left/Right Rocker Switch *(SO2), 166*
Lever Switch: CM-8/CM-9 *(SO1), 166*
Light Touch Lever Switch *(SO1), 167*
LightSwitch *(SO1), 167*
Low Force Adjustable Rod Switch *(SO1), 168*
Mat Switch, *168*
Membrane Plate Switch *(SO1), 169*
Micro Light Switch, *170*
Mini Cup Switch *(SO1), 170*
Mini Joystick with Push Switch *(ITJ,SOJ), 170*
Mini Rocking Lever Switch *(SO2), 171*
Mounting Switch *(SO1), 171*
Multi-Control Press Switch *(SO1,SO2,SOM), 171*
P-Switch *(ITC,ITM,SO1), 172*
Penta Switch *(SOM), 172*
Pillow Switch *(SO1), 173*
Pinch Switch *(SO1), 173*
Pinch Switch *(SO1), 173*
Plate Switch *(SO1), 174*
Plate Switch *(SO1), 174*
Plate Switch *(SO1), 174*
Plate Switch On Stand *(SO1), 175*
Plate Switch: CM-10 *(SO1), 175*
Pressure Pad Switch *(SO1), 177*
Pressure Switch *(SO1), 177*
Pressure Switch *(SO1), 177*
Pull Switch *(ITM,SO1), 178*
Pushbutton Switch: CM-11 *(SO1), 179*
Ring Stack Switch *(SO1), 179*
Rocker Switch *(SO2), 179*
Rocker Switch *(SO2), 180*
Rocking Plate Switch and Small Rocking Switch *(SO2), 180*
Roller Switch Music Box, *180*
Round Pad Switch *(SO1), 181*
Single Push Panel *(SO1), 182*
Single Rocking Lever Switch *(SO1), 182*
Soft Switch *(SO1), 183*
Sponge Nurse Call Switch *(SO1), 183*
Square Pad Switch *(SO1), 184*
Squeeze Switches - Single & Dual *(SO1,SO2), 184*
Standard Paddle Switch *(SO1), 184*
Star Switch *(SO1), 185*
String Switch *(ITM), 185*
Thumb Switch: CM-5 *(SO1), 186*
Tongue Switch *(SO2), 187*
Touch Switch (Crestwood), *188*
Touch Switch: CM-4 *(SO1), 189*
Tread Switch: CM-1 *(SO1), 189*
Treadle Switch *(SO1), 189*
Vertical Plate Switch *(SO1), 190*
Vertical Wobble Switch *(SO1), 191*
Wafer Switch *(SOM), 192*
Wobble Switch *(SO1), 192*
Wobble Switch *(SO1), 192*
Wobble Switch *(SO1), 193*

Input Type: Wireless {ITW}

Systems having a wireless connection between two of its components.

Invisible Connection, *163*

Switch Outputs: Dual Switch {SO2}

Opens and closes two circuits.

Air Cushion Switch (Single or Dual) *(ITP,SO1), 145*
Breath Input Device *(ITA), 149*
Cylindrical Touch Switch *(ITC), 153*
Developmental Lever Panel *(ITP), 153*
Double Push Panel *(ITP), 154*
Dual Plate Switch: CM-12 *(ITP), 155*
Dual Pneumatic Switch: CM-14 *(ITA), 155*
Dual Pushbutton Switch: CM-13 *(ITP), 156*
Dual Rocking Lever Switch *(ITP), 156*
Dual Tongue Switch TS-2C *(ITP), 156*
Left/Right Rocker Switch *(ITP), 166*
Mini Rocking Lever Switch *(ITP), 171*
Multi-Control Press Switch *(ITP,SO1,SOM), 171*
Pneumatic Switch *(ITA), 175*
Pneumatic Switch *(ITA), 176*
Pneumatic Switch: CM-3 *(ITA), 176*
Rocker Switch *(ITP), 179*
Rocker Switch *(ITP), 180*
Rocking Plate Switch and Small Rocking Switch *(ITP), 180*
Squeeze Switches - Single & Dual *(ITP,SO1), 184*
Tongue Switch *(ITP), 187*

Switch Outputs: Joystick (4 or 5 Switches) {SOJ}

A joystick that acts like four or five switches.

4-Switch Joystick: CM-19 *(ITJ), 144*
Head Position Interface *(ITM), 160*
Joystick *(ITJ), 164*
Joystick Interface Control *(ITJ), 164*
Joystick with Pad Switch *(ITJ,ITP), 164*
Mini Joystick with Push Switch *(ITJ,ITP), 170*
PRC Joystick *(ITJ), 176*

Switch Outputs: Multiple switches (3 to 16 Switches) {SOM}

Multiple Switches housed in a single unit.

4-Plate Switch: CM-15 *(ITP), 143*
4-Pneumatic Switch: CM-17 *(ITA), 143*
4-Pushbutton Switch: CM-16 *(ITP), 143*
5-Pushbutton Switch: CM-18 *(ITP), 144*
5-Tread Switch Slot Control: CM-50 *(ITP), 144*
Arm Slot Control *(ITP), 146*
Armslot Switch Controller ASC-5 *(ITP), 146*
Capacitive Touchplate Interface *(ITC), 150*
Multi-Control Press Switch *(ITP,SO1,SO2), 171*
Penta Switch *(ITP), 172*
Wafer Switch *(ITP), 192*

Switch Outputs: Single Switch {SO1}

Opens and closes one circuit.

Air Cushion Switch *(ITP), 145*
Air Cushion Switch (Single or Dual) *(ITP,SO2), 145*
Air Switch *(ITA), 146*

Barrel Switch *(ITM), 147*
Bear Switch *(ITP), 147*
Big Red, Yellow, Green, and Blue *(ITP), 148*
Body Switch BS-1 *(ITP), 148*
Button Switch, *149*
Button Switch *(ITP), 149*
Cap Switch *(ITP), 150*
Clamp-On Bump Switch *(ITP), 150*
Classic Paddle Switch *(ITP), 151*
Coil Spring Wobble Stick Switch *(ITP), 151*
Computer Keyboard Switch *(ITP), 151*
Computer Plate Switch *(ITP), 152*
Cup Switch *(ITP), 152*
Deluxe Paddle Switch II and Mini Deluxe Paddle Switch *(ITP), 153*
Eyebrow Switch *(ITM), 157*
Finger Flex Switch *(ITM), 157*
Flat Air Cushion Switch *(ITP), 158*
Flex Switch *(ITM,ITP), 158*
Flexit Switch *(ITP), 158*
Grasp Switch *(ITP), 159*
Grasp Switch *(ITP), 159*
Grip Switch *(ITP), 159*
Hand Switch *(ITP), 160*
Head Control Switch *(ITM), 160*
Head Switch *(ITP), 161*
Head Switch *(ITM), 161*
Head Switch Kit *(ITM), 162*
Headband Switch *(ITM), 162*
Intention Switch *(ITP), 162*
IST Switch *(ITE,ITL,ITM), 163*
Jelly Bean, *163*
L.T. Switch *(ITP), 165*
Leaf Switch *(ITP), 165*
Leaf Switch *(ITP), 165*
Leaf Switch: CM-2/CM-7 *(ITP), 166*
Lever Switch: CM-8/CM-9 *(ITP), 166*
Light Touch Lever Switch *(ITP), 167*
Light-Activated Switch *(ITL), 167*
LightSwitch *(ITP), 167*
Low Force Adjustable Rod Switch *(ITP), 168*
Magnetic Finger Switch *(ITC,ITM), 168*
Membrane Plate Switch *(ITP), 169*
Mercury Switch *(ITM), 169*
Mercury Tilt Switch *(ITM), 169*
Mini Cup Switch *(ITP), 170*
Mounting Switch *(ITP), 171*
Multi-Control Press Switch *(ITP,SO2,SOM), 171*
P-Switch *(ITC,ITM,ITP), 172*
Photo Cell Switch *(ITL,ITM), 172*
Pillow Switch *(ITP), 173*
Pinch Switch *(ITP), 173*
Pinch Switch *(ITP), 173*
Plate Switch *(ITP), 174*
Plate Switch *(ITP), 174*
Plate Switch *(ITP), 174*
Plate Switch On Stand *(ITP), 175*
Plate Switch: CM-10 *(ITP), 175*
Pressure Pad Switch *(ITP), 177*
Pressure Switch *(ITP), 177*
Pressure Switch *(ITP), 177*
Puff Switch *(ITA), 178*
Pull Switch *(ITM,ITP), 178*
Pushbutton Switch: CM-11 *(ITP), 179*
Ring Stack Switch *(ITP), 179*
Round Pad Switch *(ITP), 181*
Sensor Switch *(ITM), 181*
Single Push Panel *(ITP), 182*
Single Rocking Lever Switch *(ITP), 182*
Sip & Puff Switch *(ITA), 182*
Soft Switch *(ITP), 183*
Sponge Nurse Call Switch *(ITP), 183*
Square Pad Switch *(ITP), 184*
Squeeze Switches - Single & Dual *(ITP,SO2), 184*
Standard Paddle Switch *(ITP), 184*
Star Switch *(ITP), 185*
Thumb Switch: CM-5 *(ITP), 186*
Tilt Switch *(ITM), 186*
Tilt Switch *(ITM), 187*
Tip Switch *(ITM), 187*
Touch Sensitive Joystick Control *(ITJ), 188*
Touch Switch: CM-4 *(ITP), 189*
Tread Switch: CM-1 *(ITP), 189*
Treadle Switch *(ITP), 189*
Ultimate Switch, *190*
Vertical Plate Switch *(ITP), 190*
Vertical Wobble Switch *(ITP), 191*
Voice Activated Switch *(ITN), 191*
Voice Activated Switch *(ITN), 191*
Wobble Switch *(ITP), 192*
Wobble Switch *(ITP), 192*
Wobble Switch *(ITP), 193*
Wrist/Arm/Leg Switch *(ITM), 193*

Index 4

Products Listed by Computer

This index lists all products for each computer, followed by the functions of that product and the page location. Whenever possible the computer family has been specified. The listings for specific models within that family generally include only those products made specifically for that model (e.g., a keyguard) or with clearly stated restrictions regarding certain models. In all other cases, including those where software compatibility with all models in the family is not clearly specified, the computer family has been used. The manufacturer should always be contacted for up-to-date information on which models a program works with.

For example, someone interested in software for the Apple IIGS should check both the Apple IIGS and Apple II Family lists. The manufacturer of the software that is identified as meeting the function needs and having the necessary input and output features should then be contacted to determine whether the program will run on the Apple IIGS.

Titles of product lists in this index:

All Computers (Hardware Independent)
Apple Macintosh Portable
Apple II+
Apple IIc
Apple IIe
Apple IIGS
Apple II Family
Apple Macintosh Family
Apple Macintosh Plus
Apple Macintosh SE/II
Atari 400
Atari 800
Atari Family
Atari ST Family
Block Transfer Terminals
Commodore 128
Commodore 64
Commodore Amiga
Commodore Family
Commodore VIC 20
CP/M Computers
Datavue Spark
Epson HX-20
Grid
IBM-PC PC
IBM-PC XT
IBM PC AT
IBM PC Family
IBM PC jr
IBM PS/2 Family
IBM PS/2 Models 25/30
IBM PS/2 Models 50/60
IBM PS/2 Models 70/80
IBM RT PC
ITT
NEC (some or all models)
Nintendo
Panasonic Laptop
Sun Microsystems SPARCstation
Tandy 1000
Texas Instruments TI 99/4A
Toshiba Laptops
TRS-80 Model 100
TRS-80 Model 200
TRS-80 Model I
TRS-80 Model II
TRS-80 Model III
TRS-80 Model IV
Unix

Function codes which may appear in paretheses after items in this index:

AD	Activities of Daily Living
AL	Artificial Larynx
AM	Administration or Management
AP	Authoring Program
AR	Analysis or Reporting Software
AS	Assessment (Evaluation)
BD	Braille Printer or Tactile Display Component
BP	Book/Paper Handling
BR	Braille
CI	Conversation/Interaction
CM	Call, Monitoring, or Memory System
CN	Calculation/Math Aid
CR	Cognitive Rehabilitation
DR	Drawing
DS	Database Management/Spreadsheet
EA	Electronic Communication or Writing Aid
EC	Environmental Control
ES	Early Skills (Pre-Reading)
ET	Education, Training, or Therapy
GA	Game
IA	Input Adapter for Computer
ID	Input Device Usable with Only Some Software
IE	IEP or IPP
KB	Keyboarding Training Program
KE	Keyboard Emulating Interface
KG	Keyguard
KM	Modification for Standard Keyboard
LP	Large Print Output
LS	Later Skills (Includes Reading)
LT	Language Therapy/Development
MT	Mouse or Touch Pad Emulation
NA	Non-Electronic Communication Aid
PA	Personal Tool or Aid (for Speaking, Writing, Drawing, Controlling, etc.)
PC	Phone Control/Access
PT	Pointing or Typing Aid
PW	Portable Writing
RC	Robotic Control
RE	Recreation
SA	Speech Aid
SI	Signing
SS	Speech Synthesizer
ST	Speech Therapy (not Language Therapy)
SV	Screen (Display) to Voice
TD	Telecommunication Device for the Deaf (TDD)
TE	Terminal Emulator (Special Only)
TI	Alternate Input Usable with All Software
TL	Telecommunication
TO	Alternate Display System Usable with All Software
TR	Training or Communication Initiation Aid
TW	Alternate Input Adaptable for Use with All Software (Transparent With)
VA	Voice Amplifier
VO	Vocational
WP	Word Processing (Writing)

All Computers (Hardware Independent)

This list includes products which are designed to work with computers, but are independent of the make and model of computer. These products may still have specific hardware requirements, such as memory and interfaces; they simply do not require a specific make and model. Products which work with particular makes and models will be listed under those categories.

Air Cushion Switch, *145*
Armslot Switch Controller ASC-5, *146*
Articulating Drawers *(KM), 257*
Audapter Speech System *(SS), 448*
Auditory Breakout Box, *467*
Beamscope II *(LP,TO), 399*
Body Switch BS-1, *148*
Braille Blazer *(BD,BP,BR), 433*
Braille BookMaker and Braille Express *(BD,BR), 433*
Braille-Labelled Diskettes *(BR), 467*
BrailleMate *(BD,PW), 434*
Carpal-Eez *(KM), 259*
Compu-Lenz *(LP,TO), 402*
Compu-Rest Arm Support *(KM), 260*
Control I *(EC,PC), 204*
Crank Adjustable Table, *469*
DECtalk *(SS), 449*
Disk Guides, *470*
Dual Puff-Sip Switch DPS-2, *155*
Environment Control *(EC), 207*
Expanded Keyboard Pullout Drawer, *471*
FlexShield Keyboard Protectors *(KM), 264*
Hand Switch, *160*
Head Switch, *161*
Height Adjustable Table, *472*
High Dots *(BR,KM), 268*
Home-Row Key Indicators *(KM), 268*
Juliet Brailler *(BD,BR), 436*
Key Largo *(TI), 328*
Keyboard Wrist Rest *(KM), 271*
LAP CAT *(KM), 277*
Locator-Dots *(KM), 277*
Marathon Brailler *(BD,BR), 437*
Micro Light Switch, *170*
Modular Turntable Desks, *476*
Mouse XY Helper, *476*
MPRINT *(BD,BR), 438*
MultiVoice *(SS), 453*
NuVu Models MC1, PS1, and GNK *(LP,TO), 414*
Open Book *(TI,TO), 347*
Optacon II *(BD,LP,TO), 415*
Personal Reader (KPR) *(TI), 352*
Personal Speech System *(SS), 453*
Plastic Keyboard Cover *(KG,KM), 283*
PolyWrist-Wrest *(KM), 284*
Puff Switch, *178*
R/S IV Series Wireless Link *(IA), 392*
Ransley Braille Interface (RBI) *(BD,BR), 440*
Reading Edge *(TI), 358*
Roll & Slide Keyboard Wrist Support *(KM), 288*
Romeo Brailler *(BD,BR), 440*
SafeSkin Keyboard Protector *(KM), 288*
SCATIR, *181*
Sip and Puff Switch, *183*
Star Switch, *185*
Stick-On Keylocks *(KM), 289*
String Switch, *185*
Talker II *(CI,EA,KG,PW), 121*
Thiel Braille Printer BETA X-3 *(BD,BR), 441*
Touch 'N Talk Micros *(CI,ET,NA), 91*
Tweedie-Dump, *484*
Type-N-Talk *(SS), 459*
Vari-Hi Modular Compu-Desk, *485*
Variable Height Desk, *485*
VersaPoint-40 Braille Embosser *(BD,BR), 441*
ViziFlex Seels *(KM), 292*
VocaLite *(SS), 461*
Wireless Data Transmission System *(IA), 394*
Work Stations, *486*
WRIST PERCH *(KM), 293*

Apple Macintosh Portable

This list includes products which have been specifically described by their manufacturers as working with the Macintosh Portable. Many products listed under other Apple Macintosh models will also work with the Portable. Contact the manufacturers of specific products for more information about model compatibility.

Ke:nx *(KE,MT,TI), 327*

Apple II+

This list includes products which specifically work with the Apple II+. If a product works with all Apple II series computers, it will not be listed here, but will be under "Apple II Family." If it works with the Apple II+ and another model (say, the IIe), it will be listed here and under that other model.

ABS-SE:2 Software Scoring System *(AM,AR), 490*
Audio Braille Game Tutorial *(BR,ET,GA,RE), 557*
Auditory Skills Package *(CR,ET), 558*
Bender Report *(AM,AR), 492*
Big Letters *(ET,LP,LS,WP), 560*
Big/Little I and II *(ES,ET), 560*
Buddy's Body *(AS,ES,ET), 563*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
Color Track *(ET), 576*
Community Vehicles *(ES,ET), 578*
Computer CUP *(ES,ET,LT), 579*
Conceptual Skills *(CR,ET) 582*
Control Without Keyboards *(AS,CI,EA,ET,PA), 98*
Early Concepts *(ES,ET), 588*
Echo II *(SS), 450*
Eency-Weency Spider Game *(ES,ET), 592*
Expanded Keyboard for Apple II+ and IIe *(KG,TI), 310*
EZ Pilot for PowerPad *(AM,AP), 502*
Family Fun *(AS,ES,ET), 596*
Fast Food Game *(ES,ET), 597*
Feelings *(ES,ET), 597*
Foundations I *(AR,CR,ES,ET), 603*
Fun With Math *(CN,ET,SV), 604*
Governor *(GA,PA), 472*
HESI Software Report System *(AM,AR), 505*
If You're Happy and You Know It *(ES,ET), 612*
Individual Educational Program *(AM,IE), 507*
Let's Go Shopping I and II *(ES,ET), 626*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LittleJack, *474*
MicroDEC II *(CM,EC,PC) 217*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(TI), 343*
Old MacDonald's Farm I and II *(ES,ET,LS), 645*
Padded Food *(AS,ES,ET), 646*
Padded Vehicles *(ES,ET), 647*
Paper Dolls I and II *(AD,ES,ET), 648*
Pictalk *(CI,ES,ET,TR), 649*
PowerPad *(DR,RE,TI), 354*
PowerPort *(IA), 391*
PSS Joystick Adapter *(IA), 391*
Randt Memory Test *(AR,AS,CR), 539*
Remote Keyboard for the Apple II+ and IIe *(DR,TI), 359*
Repeat Defeat *(KM), 257*
Sight Words *(ET,LS), 671*
Silly Sandwich *(ES,ET), 671*
Slotbuster II *(SS), 454*
Smart Shaper I and II *(CN,CR,ES,ET) 674*
Song Grid *(ES,ET), 675*
Start Talking *(ES,LS), 482*

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Switch It - Change It *(ES,ET), 684*
Switch It - See It *(ES,ET), 684*
Talking Keys *(ET,TR), 687*
Talking Toys *(ET,TR), 690*
Tea Party *(ES,ET), 691*
Ten Key Board *(TI), 367*
Test of Language Development-2 (TOLD-2) *(AR,AS), 541*
TOAL-2 Software Scoring System *(AM,AR), 520*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
Unicorn Membrane Keyboards *(TI,TW), 369*
Up and Running, *484*
Video Voice Speech Training System *(AR,ET,ST), 702*
Visagraph Eye-Movement Recording System *(AS,ET), 542*
Voice Activated Graphics *(ET,ST), 704*
Voice Math *(CN,ET), 705*
Voice Reading Ability Drill *(ET,LS), 705*
Where is Puff? *(ES,ET), 706*
Zoo Time *(ES,ET), 711*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW), 125*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

Apple IIc

This list includes products which specifically work with the Apple IIc. If a product works with all Apple II series computers, it will not be listed here, but will be under "Apple II Family." If it works with the Apple IIc and another model, it will be listed here and under that other model.

Aphasia Series: I through VIII *(CR,ET,LS), 554*
Association Pictures *(CR,ET), 556*
Audio Braille Game Tutorial *(BR,ET,GA,RE), 557*
Bender Report *(AM,AR), 492*
BEX 3.1 *(BR,LP,PA,SV,WP), 722*
Blank-Out Keytops *(KM), 258*
Braille-Talk *(BR,PA,SV), 724*
Build-A-Scene *(ET), 564*
Calc-Talk *(CN,LP,PA,SV), 724*
Cause 'n Effect *(ES,ET), 567*
ClasX *(BR,PA), 726*
Cognitive Disorders I, II, III, IV *(CR,ET), 569*
Computer CUP *(ES,ET,LT), 579*
Computerized Adult Aural Rehabilitation *(AM,AR,AS), 496*
Data Digger *(AM), 497*
Detroit Tests of Learning Aptitude Revised *(AM,AR), 498*
Diagnostic Articulation Analyzer *(AM,AR), 498*
Diagnostic Report Writer *(AM), 499*
Early Learning 3 5/Complete Early Learning 5.25 *(ES,ET,LS), 589*
Early Learning I *(ES,ET), 590*
Early Learning II *(CN,ES,ET), 590*
Early Learning III *(CN,ET,LS), 591*
Echo LC *(SS), 451*
Electric Crayon and Electric Crayon Deluxe *(DR,ET,RE), 715*
File-Talk *(DS,PA,SV), 732*
Function Pictures *(CR,ET), 604*
Goal Digger *(AM,IE), 504*
Goal Rush *(AM,IE), 505*
Hand Controls *(ID), 378*
HESI Software Report System *(AM,AR), 505*
iepSYSTEM *(AM,IE), 507*
Individual Educational Program *(AM,IE), 507*
Inferential Naming for Cognitive and Language Disorders *(CR,ET,LS,LT), 613*
Initial Phoneme Cuing for Aphasics *(CR,ET), 614*
Join the Circus *(AS,ES,ET), 616*
KoalaPad+ *(DR,ID), 378*
MacTRAC *(MT,TI), 334*
Mix 'N Match *(AR,ES,ET), 637*
Money Skills *(AD,CN,ET,LS), 639*
Multisensory Curriculum *(AM,CN,CR,ES,ET,LT), 641*
Numeric Concepts I and II *(ET,LS), 644*
Paddle Panel *(IA), 390*
PennStar System *(AM,IE), 511*
Prairie Power Portable IIc System *(PW), 480*
Prosody - Voice Screening Profile Software *(AR,AS), 538*
ProWORDS *(PA,SV,WP), 753*
QUADLynx Trackball *(MT,TI), 356*
Reading Comprehension for Adolescents *(CR,ET), 662*
Schoolcraft Series Software *(CN,ET,GA), 666*
Semantic Development Using Code Breaking Strategies *(ET,LS,LT), 668*
Sharon's Programs *(ES,ET,LS), 670*
Sheri *(AM,AR,IE), 516*
Talking Hands *(ET,SI), 686*
Talking Sensible Speller *(PA,SV), 756*
Teenage Switch Progressions *(ET), 691*
Term-Talk *(PA,SV), 758*
TimeOut UltraMacros *(KM), 291*
TOAL-2 Software Scoring System *(AM,AR), 520*
TranscriBEX *(BR,PA,WP), 759*
Turbo Trackball *(MT,TI), 368*
Understanding Attributes *(CR,ET), 697*
Understanding Questions II: More Questions *(ET,LS,LT), 698*
Understanding Stories II: More Stories *(ET,LS,LT), 700*
Verb Fill-Ins *(CR,ET), 701*
Verbal Analogies *(ET,LS,LT), 701*
Voice Activated Graphics *(ET,ST), 704*
Word Order in Sentences *(ET,LS,LT), 707*
Word-Talk *(PA,SV,WP), 767*
Work-Station Pro *(PA), 767*
X-10 Home Control Interface *(EC), 233*

Apple IIe

This list includes products which specifically work with the Apple IIe. If a product works with all Apple II series computers, it will not be listed here, but will be under "Apple II Family." If it works with the Apple IIe and another model, it will be listed here and under the other model.

Abbreviation/Expansion *(KM,PA,WP), 719*
ABS-SE.2 Software Scoring System *(AM,AR), 490*
Access to Math *(AM,CN,ET), 550*
Active Therapy System (ACTS) *(AS,EC,ET,TR), 551*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
AFC Access: TouchWindow *(TI), 298*
Aphasia Series: I through VIII *(CR,ET,LS), 554*
AppleWorks Companion *(PA,SV), 719*
Assess *(AR,AS,ET,LS), 529*
Association Pictures *(CR,ET), 556*
Audio Braille - Six Keys *(BR,ET), 557*
Audio Braille Game Tutorial *(BR,ET,GA,RE), 557*
Auditory Skills Package *(CR,ET), 558*
Bender Report *(AM,AR), 492*
BEX 3.1 *(BR,LP,PA,SV,WP), 722*
Big Letters *(ET,LP,LS,WP), 560*
Big/Little I and II *(ES,ET), 560*
Blank-Out Keytops *(KM), 258*
Bloorview Miniature Keyboard *(TI), 302*
Body Builder *(ES,ET), 562*
Braille-Talk *(BR,PA,SV), 724*
Brailled Keyboard Model--Apple IIe *(BR), 468*
Buddy's Body *(AS,ES,ET), 563*
Build-A-Scene *(ET), 564*
CAFET for KIDS *(ET,ST), 565*
Calc-Talk *(CN,LP,PA,SV), 724*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
ClasX *(BR,PA), 726*
Cognitive Disorders I, II, III, IV *(CR,ET), 569*
COINSNKEYS *(CN,ES,ET,KB), 575*
Color Track *(ET), 576*
Community Vehicles *(ES,ET), 578*
Computer CUP *(ES,ET,LT), 579*
Computer-Aided Fluency Establishment Trainer (CAFET) *(ET,ST), 580*
Concept Keyboard *(TI), 306*
Conceptual Skills *(CR,ET), 582*

Control Without Keyboards *(AS,CI,EA,ET,PA), 98*
DARCI TOO *(TI), 306*
Data Digger *(AM), 497*
Detroit Tests of Learning Aptitude Revised *(AM,AR), 498*
Diagnostic Articulation Analyzer *(AM,AR), 498*
Diagnostic Report Writer *(AM), 499*
Dinosaur Game *(ES,ET,GA,TR), 586*
Drive to Live *(ET,LS), 587*
Early Concepts *(ES,ET), 588*
Early Learning 3.5/Complete Early Learning 5.25 *(ES,ET,LS), 589*
Early Learning I *(ES,ET), 590*
Early Learning II *(CN,ES,ET), 590*
Early Learning III *(CN,ET,LS), 591*
Echo II *(SS), 450*
Eency-Weency Spider Game *(ES,ET), 592*
Electric Crayon and Electric Crayon Deluxe *(DR,ET,RE), 715*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI,TW), 102*
Expanded Keyboard for Apple II+ and IIe *(KG,TI), 310*
EZ Pilot for PowerPad *(AM,AP), 502*
Family Fun *(AS,ES,ET), 596*
Fast Food Game *(ES,ET), 597*
Feelings *(ES,ET), 597*
File-Talk *(DS,PA,SV), 732*
Foundations I *(AR,CR,ES,ET), 603*
Fun With Math *(CN,ET,SV), 604*
Function Pictures *(CR,ET), 604*
Goal Digger *(AM,IE), 504*
Goal Rush *(AM,IE), 505*
Governor *(GA,PA), 472*
Hand Controls *(ID), 378*
HESI Software Report System *(AM,AR), 505*
iepSYSTEM *(AM,IE), 507*
If You're Happy and You Know It *(ES,ET), 612*
Individual Educational Program *(AM,IE), 507*
Inferential Naming for Cognitive and Language Disorders *(CR,ET,LS,LT), 613*
Initial Phoneme Cuing for Aphasics *(CR,ET), 614*
IntelliKeys Keyboard *(TI), 324*
Interaction Games II *(ES,ET,GA,TR), 615*
InWords *(TI), 326*
Join the Circus *(AS,ES,ET), 616*
Kennedy Handi-Math Program *(CN,ET,LS), 618*
Kennedy Switch Key Software *(CI,ET,TI), 473*
Keyboard Covers *(KM), 270*
Keyboard Overlays for Apple IIe and IIgs *(KM), 270*
Keyguards *(KG,KM), 274*
King Keyboard 2440 *(TI), 330*
KoalaPad+ *(DR,ID), 378*
Learn to Scan *(AS,ET), 624*
Let's Go Shopping I and II *(ES,ET), 626*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightBoard *(TI,TW), 332*
LittleJack, *474*
Logo TouchTools for the PowerPad *(AS,ES,ET), 628*
MacTRAC *(MT,TI), 334*
Make It Happen *(AS,ES,ET), 630*
Make It In Time *(AS,ES,ET), 630*
Make It Scan *(AS,ES,ET), 631*
Me Too! *(PA), 742*
MicroDEC II *(CM,EC,PC), 217*
Mini Keyboard *(TI), 337*
Mini Membrane Keyboard *(TI), 337*
Mix 'N Match *(AR,ES,ET), 637*
Moisture Guard *(KM), 279*
Money Box Software *(AD,CN,ET), 638*
Money Skills *(AD,CN,ET,LS), 639*
Mouse in the Toy Box *(ET), 640*
Mousing Around *(MT), 477*
Multiple Switch Box *(IA), 389*
Multisensory Curriculum *(AM,CN,CR,ES,ET,LT), 641*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(TI), 343*
Nasometer *(AS,ET,ST), 643*
Numeric Concepts I and II *(ET,LS), 644*
Occupations *(ET), 644*
Old MacDonald's Farm I and II *(ES,ET,LS), 645*
Overlays for the Expanded Membrane Keyboard, *479*
Padded Food *(AS,ES,ET), 646*
Padded Vehicles *(ES,ET), 647*
Paddle Panel *(IA), 390*
Paper Dolls I and II *(AD,ES,ET), 648*
PennStar System *(AM,IE), 511*
Phonics Round-Up *(ET,LS), 649*
Pictalk *(CI,ES,ET,TR), 649*
PowerPad *(DR,RE,TI), 354*
PowerPad Starter Kit *(TI), 355*
PowerPad Toolkit 4 *(ET), 654*
PowerPort *(IA), 391*
Predict It *(PA,WP), 752*
Prosody - Voice Screening Profile Software *(AR,AS), 538*
ProWORDS *(PA,SV,WP), 753*
PSS Joystick Adapter *(IA), 391*
QUADLynx Trackball *(MT,TI), 356*
Randt Memory Test *(AR,AS,CR), 539*
Reading Comprehension for Adolescents *(CR,ET), 662*
Remote Keyboard for the Apple II+ and IIe *(DR,TI), 359*
Repeat Defeat *(KM), 287*
Rockets to the Moon *(ES,ET,GA,TR), 664*
Schoolcraft Series Software *(CN,ET,GA), 666*
Semantic Development Using Code Breaking Strategies *(ET,LS,LT), 668*
Sharon's Programs *(ES,ET,LS), 670*
Sheri *(AM,AR,IE), 516*
Sight Words *(ET,LS), 671*
Silly Sandwich *(ES,ET), 671*
SimpleCom I: Yes/No Communication *(CI,ET,TR), 672*
SimpleCom II: Needs/Wants Communication *(CI,ET,TR), 672*
Slotbuster II *(SS), 454*
Smart Shaper I and II *(CN,CR,ES,ET), 674*
Song Grid *(ES,ET), 675*
Spell-A-Word & 2+2 *(CN,ET,LS), 678*
Start Talking *(ES,LS), 482*
Switch It - Change It *(ES,ET), 684*
Switch It - See It *(ES,ET), 684*
Switch Training Program and Communication Training Pgm. *(ET,LS,TR), 685*
Talking Hands *(ET,SI), 686*
Talking Keys *(ET,TR), 687*
Talking Literacy Kit for the Apple IIe (TALK) *(ET,GA,KB,WP), 687*
Talking Public Domain Disks *(ET,LS,SV,VO), 688*
Talking Sensible Speller *(PA,SV), 756*
Talking Toys *(ET,TR), 690*
Tea Party *(ES,ET), 691*
Teenage Switch Progressions *(ET), 691*
Ten Key Board *(TI), 367*
Term-Talk *(PA,SV), 758*
Test of Language Development-2 (TOLD-2) *(AR,AS), 541*
This is the Way We Wash Our Face *(ES,ET,TR), 693*
TimeOut UltraMacros *(KM), 291*
TOAL-2 Software Scoring System *(AM,AR), 520*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
TranscriBEX *(BR,PA,WP), 759*
Turbo Trackball *(MT,TI), 368*
Type-Hype *(ET,KB,LP), 697*
Understanding Attributes *(CR,ET), 697*
Understanding Questions II: More Questions *(ET,LS,LT), 698*
Understanding Stories II: More Stories *(ET,LS,LT), 700*
Unicorn Membrane Keyboards *(TI,TW), 369*
Up and Running, *484*
Verb Fill-Ins *(CR,ET), 701*
Verbal Analogies *(ET,LS,LT), 701*
Video Voice Speech Training System *(AR,ET,ST), 702*
Visagraph Eye-Movement Recording System *(AS,ET), 542*
Visi-Pitch Model 6095/6097 *(AR,ET,ST), 702*
Voice Activated Graphics *(ET,ST), 704*
Voice Math *(CN,ET), 705*
Voice Reading Ability Drill *(ET,LS), 705*
Western Center Echo Synthesizer Package *(SV), 486*
Wheels On The Bus I, II, and III *(ES,ET,TR), 706*
Where is Puff? *(ES,ET), 706*
Word Order in Sentences *(ET,LS,LT), 707*

Word-Talk *(PA,SV,WP), 767*
Work-Station Pro *(PA), 767*
Worm Squirm *(ES,ET,TR), 709*
X-10 Home Control Interface *(EC), 233*
Zero to Five *(ET,LS), 711*
Zoo Time *(ES,ET), 711*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW), 125*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

Apple IIGS

This list includes products which specifically work with the Apple IIGS. If a product works with all Apple II series computers, it will not be listed here, but will be under "Apple II Family." If it works with the Apple IIGS and another model, it will be listed here and under that other model.

Access to Math *(AM,CN,ET), 550*
Active Therapy System (ACTS) *(AS,EC,ET,TR), 551*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 298*
AFC Access: TouchWindow *(TI), 298*
AFC: Literacy Setups (C32) *(ET), 552*
Aphasia Series: I through VIII *(CR,ET,LS), 554*
Apple Adjustable Keyboard *(TI), 300*
Apple IIGS Owner's Guide: Disk Edition, *466*
AppleWorks Companion *(PA,SV), 719*
Assess *(AR,AS,ET,LS), 529*
Association Pictures *(CR,ET), 556*
Auditory Skills Package *(CR,ET), 558*
BEX 3.1 *(BR,LP,PA,SV,WP), 722*
Big Letters *(ET,LP,LS,WP), 560*
Big/Little I and II *(ES,ET), 560*
Body Builder *(ES,ET), 562*
Braille-Talk *(BR,PA,SV), 724*
Brailled Keyboard Overlay for the Apple IIGS *(BR,KM), 259*
Breakthru Box *(TI), 303*
Buddy's Body *(AS,ES,ET), 563*
Build-A-Scene *(ET), 564*
CAFET for KIDS *(ET,ST), 565*
Calc-Talk *(CN,LP,PA,SV), 724*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
Cause 'n Effect *(ES,ET), 567*
ClasX *(BR,PA), 726*
Cognitive Disorders I, II, III, IV *(CR,ET), 569*
COINSNKEYS *(CN,ES,ET,KB), 575*
Color Track *(ET), 576*
Community Vehicles *(ES,ET), 578*
Computer-Aided Fluency Establishment Trainer (CAFET) *(ET,ST), 580*
Computerized Adult Aural Rehabilitation *(AM,AR,AS), 496*
Concept Keyboard *(TI), 306*
Conceptual Skills *(CR,ET), 582*
Control Without Keyboards *(AS,CI,EA,ET,PA), 98*
Creature Antics and Creature Capers *(ET,GA,TR), 583*
Creature Chorus *(ET,TR), 584*
Creature Features *(ET,TR), 584*
DARCI TOO *(TI), 306*
Data Digger *(AM), 497*
Diagnostic Articulation Analyzer *(AM,AR), 498*
Diagnostic Report Writer *(AM), 499*
Early Concepts *(ES,ET), 588*
Early Learning 3 5/Complete Early Learning 5.25 *(ES,ET,LS), 589*
Early Learning I *(ES,ET), 590*
Early Learning II *(CN,ES,ET), 590*
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Apple Macintosh Family

This list includes products which work with all of the Apple Macintosh family of computers. It also includes any products for which the manufacturer has not provided model-compatibility information. Products which only work with specific models are listed under those models. Please consult the product description or the manufacturer about specific requirements, such as memory or operating system.

AAC Vocabulary Manager (J15) *(AM), 489*
AAMR Adaptive Behavior Scales: Second Edition Software *(AR,AS), 529*
ABS-SE:2 Software Scoring System *(AM,AR), 490*
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FreeWheel Head Pointer System *(TI), 316*
Goal Digger *(AM,IE), 504*
Goal Rush *(AM,IE), 505*
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Padded Food *(AS,ES,ET), 646*
Padded Vehicles *(ES,ET), 647*
Paper Dolls I and II *(AD,ES,ET), 648*
Pre-Dict-ate *(TI), 355*
PROXi *(EC,PC), 220*
QuicKeys *(KM), 286*
Read-It Pro 4.0/Personal 4.0 *(TI), 357*
Rehabilitation Data System *(AM,AR,AS), 515*
Revolving Doors *(MT,TI), 360*
Rockets to the Moon *(ES,ET,GA,TR), 664*
Roller Mouse *(MT,TI), 361*
RotoTyper *(KM,PA,WP), 755*
SALT (Systematic Analysis of Language Transcripts) *(AM,AR,LT), 516*
SARA Keys *(KM), 289*
Scan 300/S *(TI), 361*
ScreenDoors *(TI), 362*
Seek & Find Level I & II *(ET), 667*
Silly Sandwich *(ES,ET), 671*
Special Needs Tracker Ball & Joystick Module *(MT,TI), 364*
Story-Ware *(ET,WP), 681*
Storytime Tales (J60) *(ET), 681*
Switch It - See It *(ES,ET), 684*
Switch-Back *(ID), 379*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,MT,TI), 393*
Talking Symbols *(CI,EA,PA), 757*
TALLEY Goals and Objectives Writer *(AM,IE), 518*
Tea Party *(ES,ET), 691*
Telepathic *(PA), 758*
Tempo II Plus *(KM), 291*
This is the Way We Wash Our Face *(ES,ET,TR), 693*
Thumbelina *(MT,TI), 367*
TouchWindow *(DR,DS,ID,RE,WP), 380*
Turbo Mouse 4.0 *(MT,TI), 368*
Turbo Trackball *(MT,TI), 368*
Unicorn Membrane Keyboards *(TI,TW), 369*
Universal Control System with Tongue Touch Keypad *(EC,PC), 231*
UnMouse *(MT,TI), 370*
Video Voice Speech Training System *(AR,ET,ST), 702*
ViewKey *(CI,EA,PA), 765*
Virtual Telephone *(EC,PC), 232*
Wheels On The Bus I, II, and III *(ES,ET,TR), 706*
Where is Puff? *(ES,ET), 706*
Worm Squirm *(ES,ET,TR), 709*
Write OutLoud (J30) *(PA), 768*
X-10 Home Control Interface *(EC), 233*
Zoo Time *(ES,ET), 711*
ZoomCaps *(KM), 293*

Apple Macintosh Plus

This list includes products which specifically work with the Macintosh Plus. If a product works with all models of Macintosh, it will not be listed here, but will be listed under "Apple Macintosh Family." If it works with the Mac Plus and another model of Mac, it will be listed here and under that other model.

Communication Board Builder *(AM,NA), 495*
Gateway Authoring System *(AM,AP), 503*
Gateway Stories *(ET), 605*
inLARGE 2.0 *(LP,TO), 407*
Keyguards *(KG,KM), 274*
MacTRAC *(MT,TI), 334*
Moisture Guard *(KM), 279*
outSPOKEN 1.7 *(SV,TO), 416*
PC Scan 3000 and Personal Scan *(TI), 350*
QUADLynx Trackball *(MT,TI), 356*
Sentence Key & Picture Sequence Key *(ET), 668*
SpeechWare *(CI,EA,PA), 119*
Voice Navigator SW and II *(TI), 372*

Apple Macintosh SE/II

This list includes products which work with the Macintosh SE and Macintosh II computers, as well as "sub-models" within those product lines (such as the Mac IIx). Please note that some of the products on this list may work with only the Mac SE or only the Mac II. If a product works with all models of Mac, it will not be listed here, but will appear under "Apple Macintosh Family." If it works with certain other models (such as the Mac Plus), it will be listed here and under those other models.

BAT *(TI), 302*
Communication Board Builder *(AM,NA), 495*
Gateway Authoring System *(AM,AP), 503*
Gateway Stories *(ET), 605*
Ke:nx *(KE,MT,TI), 327*
Keyguards *(KG,KM), 274*
MacTRAC *(MT,TI), 334*
Moisture Guard *(KM), 279*
MouseStick II *(MT,TI), 341*
MouseTouch *(MT,TI), 342*
MVP Mouse *(MT,TI), 343*
outSPOKEN 1.7 *(SV,TO), 416*
PC Scan 3000 and Personal Scan *(TI), 350*
Remote Mouse *(MT,TI), 360*
Say & See *(AS,ET,ST), 539*
SenSei *(EC,PA,PC,TI,TL), 363*
SpeechWare *(CI,EA,PA), 119*
Switchboard *(MT,TI), 365*
Voice Express *(TI), 371*
Voice Navigator SW and II *(TI), 372*

Atari 400

This list includes products which specifically work with the Atari 400. If a product works with other specific Atari models, it will be listed under those other models as well. If it works with ALL Atari models, it will be listed under "Atari (all or some models)," and not here.

Bear Jam *(ES,ET), 559*
Leo's 'Lectric Paintbrush *(DR,ET,PA,RE), 740*
MicroIllustrator *(DR,ET,PA,RE), 743*
PowerPad *(DR,RE,TI), 354*

Atari 800

This list includes products which specifically work with the Atari 800. If a product works with other specific Atari models, it will be listed under those models as well. If it works with ALL Atari models, it will be listed under "Atari (all or some models)," and not here.

Auditory Skills Package *(CR,ET), 558*
Bear Jam *(ES,ET), 559*
Conceptual Skills *(CR,ET), 582*
Foundations II *(AR,CR,ES,ET), 603*
Leo's 'Lectric Paintbrush *(DR,ET,PA,RE), 740*
Memory I *(CR,ES,ET,LS), 635*
Memory II *(CR,ES,ET,LS), 635*
MicroIllustrator *(DR,ET,PA,RE), 743*
PowerPad *(DR,RE,TI), 354*

Atari Family

This list includes products that work with any model of Atari computer, as well as products for which the manufacturer has not specified model compatibility.

Blazing Paddles *(DR,ET,RE), 561*
CompuDesk HCP, *468*
Foundations I *(AR,CR,ES,ET), 603*
Keyguard *(KG,KM), 273*
Paddle Panel *(IA), 390*
Problem Solving *(CR,ET), 656*
Soft Tools *(CR,ES,ET,LS,LT), 674*
Visuospatial Skills I *(AR,CR,ET), 703*

Atari ST Family

This list includes products which specifically work with the Atari ST. If a product works with other specific Atari models, it will be listed under those other models as well. If it works with ALL Atari models, it will be listed under "Atari (all or some models)," and not here.

Evaluate *(AS,KB), 534*
Filch *(KM), 264*
Morsek Version 1.1 *(TI), 339*

Block Transfer Terminals

Help U Type *(KM), 267*

Commodore 128

This list includes products which specifically work with the Commodore 128. If a product works with all Commodore computers, it will not be listed here, but will be under "Commodore (all or some models)." If it works with the 128 and another model (such as the Commodore 64), it will be listed here and under that other model.

Bear Jam *(ES,ET), 559*
Bobcat *(AM,BR,ET), 493*
Joystick Replacer Box *(IA), 387*
Kidsview *(ET,LP), 622*
Kidsword *(ET,LP,WP), 622*
PowerPad *(DR,RE,TI), 354*

Commodore 64

This list includes products which specifically work with the Commodore 64. If a product works with all Commodore computers, it will not be listed here, but will appear under "Commodore (all or some models)." If it works with the 64 and another model, it will be listed here and under that other model.

Bear Jam *(ES,ET), 559*
Blazing Paddles *(DR,ET,RE), 561*
Bobcat *(AM,BR,ET), 493*
Complete Spelling Program *(ET,LS), 578*
Computer Aids for the Blind (40 programs) *(CI,ET,LP,PA,SV,TR,WP), 727*
Computer Aids for the Non-Verbal (50 programs) *(CI,CN,DR,ET,LP,PA,TR), 728*
EDACTS Keyboard *(CI,EC,TI,WP), 309*
Electric Crayon and Electric Crayon Deluxe *(DR,ET,RE), 715*
Game Power for Phonics, Plus *(AS,ET,LS), 535*
H:1 Handicapped Word Games *(ET,GA,LS,RE), 715*
Joystick Replacer Box *(IA), 387*
Keyguard *(KG,KM), 273*
Kidsview *(ET,LP), 622*
Kidsword *(ET,LP,WP), 622*
Leo's 'Lectric Paintbrush *(DR,ET,PA,RE), 740*
Mount Murdoch *(ET,GA,RE), 640*
Muppet Learning Keys *(ET,GA,ID), 379*
PowerPad *(DR,RE,TI), 354*
Programs for Early Learning and the Retarded *(ES,ET), 657*
VIC-Talker / 64-128 Talker *(SS,SV), 461*
X-10 Home Control Interface *(EC), 233*
Zero to Five *(ET,LS), 711*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

Commodore Amiga

This list includes products which specifically work with Commodore Amiga computers. If a product works with all Commodore computers, it will not be listed here, but will appear under "Commodore (all or some models)." If it works with specific other models, it will be listed here and under those other models.

AmTRAC *(MT,TI), 300*
Breakthru Box *(TI), 303*
Evaluate *(AS,KB), 534*
Expanded Numeric Keypads *(TI), 313*
Filch *(KM), 264*
Mini-Keyboards *(TI), 338*
Morsek Version 1.1 *(TI), 339*
Point and Read *(ET,LS), 652*
TouchWindow *(DR,DS,ID,RE,WP), 380*

Commodore Family

This list includes products which work with any Commodore computers. It also includes any products for which the manufacturer has not provided model-compatibility information. Products which only work with specific Commodore models (such as the Amiga) are listed under those models. Please consult the product description or the manufacturer about specific requirements such as operating system or memory.

CompuDesk HCP, *468*

Commodore VIC 20

This list includes products which specifically work with the Commodore VIC 20 computer. If a product works with all Commmodore computers, it will not be listed here, but will appear under "Commodore (all or some models)." If it works with the VIC 20 and another model (such as the 64), it will be listed here and under that other model.

Joystick Replacer Box *(IA), 387*
VIC-Talker / 64-128 Talker *(SS,SV), 461*

CP/M Computers

This list includes products which work with computers using the CP/M operating system.

Magic Keyboard *(LP,TO), 412*

Datavue Spark

This list includes only products that have been specifically designed to work with the Datavue Spark computer. Software and hardware designed to work with any MS-DOS computer will be listed under "IBM-PC Family."

Evaluate *(AS,KB), 534*
Filch *(KM), 264*
Morsek Version 1.1 *(TI), 339*

Epson HX-20

This list includes products which work with the HX-20, or are based on that machine.

HX-20 Protective Cover *(KM), 269*
On/Off Adaptor Switch *(KM), 281*
Reinforced Keyguard *(KG,KM), 287*

Grid

This list includes products which have been specifically described by their manufacturers as working with Grid computers.

Evaluate *(AS,KB), 534*
Filch *(KM), 264*
HandiCHAT and HandiCHAT Deluxe *(SV,TO), 403*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HandiKEY and HandiKEY Deluxe *(KM), 266*
HandiSHIFT *(KM), 266*
HandiWORD and HandiWORD Deluxe *(KM), 267*
Morsek Version 1.1 *(TI), 339*
SeeBEEP *(PA,TO), 420*

IBM-PC PC

This list includes products which specifically work with the original IBM PC, and don't require the power of a PC XT or PC AT. Some of these may also work on an XT, AT or PS/2, in which case they will also be listed under those computers.

Nasometer *(AS,ET,ST), 643*

IBM-PC XT

This list includes products which work specifically with the PC XT model of the IBM PC family. If a product works with other models as well, it will be listed under those models, or simply under "IBM PC Family."

AbleOffice, *465*
Finish Line *(PA), 733*
GEWA FTB 108 Enlarged Keyboard *(TI), 318*
GEWA METB 121 Reduced Size Keyboard *(TI), 319*
Kurzweil 5100, 5200, and 6200 Scanning Systems *(TI), 330*
Portable Transaction Voice Computer *(TI), 353*
Sensimetrics SpeechStation *(AS,ST), 540*

IBM PC AT

This list includes products which work only with the AT model of the IBM-PC family. If a product works with the AT and other models, it will be listed under "IBM PC Family."

BAT *(TI), 302*
BUG Voice Command System *(TI), 304*
Compuvox *(EC,TI), 305*
CSL (Computerized Speech Lab) Model 4300 *(AS,ST), 532*
DocuRead Expert *(TI), 308*
DragonDictate *(TI,WP), 308*
Finish Line *(PA), 733*
GEWA FTB 108 Enlarged Keyboard *(TI), 318*
GEWA METB 121 Reduced Size Keyboard *(TI), 319*
IRIS Reading Interface *(SV,TI), 326*
Kurzweil 5100, 5200, and 6200 Scanning Systems *(TI), 330*
MIKE (Mouse Interface & Keyboard Emulation) *(MT,TI), 336*
Multi-Line Dial-A-News System *(CI,PA,TD,TL), 745*
OsCaR *(TI), 348*
Sensimetrics SpeechStation *(AS,ST), 540*
Serial Recall: Assessment *(AM,AR,AS,CR), 540*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,MT,TI), 393*

IBM PC Family

This list includes products which work with all models of the IBM Personal Computer. It also includes any products for which the manufacturer has not provided model-compatibility information. Products which only work with the IBM PC AT (and not with other models) are listed under "IBM PC AT." For compatibility with the PC jr, see that list. Please consult the product description or the manufacturer about specific requirements such as memory and operating system.

1-Finger Version 5.05 *(KM), 255*
1-Key *(KM), 255*
AAMR Adaptive Behavior Scales: Second Edition Software *(AR,AS), 529*
AbiliCad *(DR,ID,PA), 377*
Ability-Achievement Discrepancy *(AM,AR), 490*
ABS-SE:2 Software Scoring System *(AM,AR), 490*
Accent-Mini *(SS), 446*
Accent-PC *(SS), 446*
Access Pack for Microsoft Windows *(IA,KM,MT,TI), 256*
Access-I *(CI,PW,TI), 297*
AccessDOS *(IA,KM,MT,TI), 256*
ADAPTA-LAN *(CI,LP,PC,TI,WP), 297*
AID+Me Programmable Keyboard *(IA,KM,MT,TI), 299*
ALTKEY *(TI), 299*
ALVA Braille Terminals *(BD,BR,TO), 397*
Analytic Learning Disability Assessment (ALDA-EZ) *(AM,AR), 491*
Anivox Computer Speech System *(AS,ET,ST), 553*
Antonyms and Synonyms *(CR,ET,LS), 553*
Aphasia Series: I through VIII *(CR,ET,LS), 554*
Arkenstone Reader *(TI,TO), 301*
Arlin Test of Formal Reasoning Computer Report *(AM,AR), 491*
Artic TransPort *(SS,SV), 448*

Artic Vision *(SV,TO), 398*
ASAP (Automatic Speech Access Program) *(SV,TO), 398*
Assess *(AR,AS,ET,LS), 529*
Association Pictures *(CR,ET), 556*
AudScan II *(CI,EA), 97*
Augmentative Communication Evaluation System (ACES) *(AS,ET), 530*
Auto Braille *(BR,PA), 720*
AutoKey 20/20 *(KM), 257*
Automated IEP System and Professional Goal Banks *(AM,IE), 492*
Avalon Computers *(SV,TO), 399*
B-Edit *(LP,PA,WP), 721*
B-Pop *(LP,PA), 721*
Bender Report *(AM,AR), 492*
BEST Buttons *(ID), 377*
BEST Faces *(ES,ET), 559*
BEST Switch Interface *(IA), 383*
BIG for 1-2-3 *(DS,LP,PA), 722*
BIG for WordPerfect *(LP,PA), 723*
Blank-Out Keytops *(KM), 258*
Bloorview Miniature Keyboard *(TI), 302*
BookWise *(TI,TO), 303*
Braille 'n Speak *(BR,PW,SS,SV,TI,TO), 400*
Braille Keytop Labels *(BR,KM), 258*
Braille-Talk *(BR,PA,SV), 724*
Braillo 200 *(BD,BP,BR), 435*
Braillo 400 S *(BD,BP,BR), 435*
Braillo Comet *(BD,BP,BR), 436*
Breakthru Box *(TI), 303*
Breath Input Device, *149*
Business FOCUS *(LP,TO), 400*
Business Vision *(SV,TO), 401*
Butler-in-a-Box *(EC,PC,TI), 203*
C-500 Control System *(EC,MT,TI), 304*
CAFET for KIDS *(ET,ST), 565*
CallText 5000 *(PC,SS), 449*
CAMEO *(ET), 565*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
CAV-ASL *(ET,SI), 567*
CCT Environmental Control *(EC), 203*
Children's Switch Progressions *(ET), 568*
CINTEX I and II *(EC,GA,PA,PC,WP), 725*
CLASS *(AM,AR,IE), 494*
Cloze-Plus Program *(ET,LS), 569*
Cognitive Disorders I, II, III, IV *(CR,ET), 569*
Cognitive Participation Rating Scale (CPRS) *(AM,AS,CR), 494*
Cognitive Rehabilitation Series *(CR,ET,LS), 570*
Cogrehab Vol. 1 *(CR,ET,LS), 572*
Cogrehab Vol. 4 *(CR,ET,LS), 573*
Cogrehab Vol. 5 *(CR,ET,LS), 574*
Cogrehab Vol. 6 *(CR,ET,LS), 574*
Cogrehab Vol. 7: Quest *(CR,ET,LS), 575*
COINSNKEYS *(CN,ES,ET,KB), 575*
Colors and Shapes *(ES,ET), 577*
Combination Braille/Large Print Keytop Labels *(BR,KM,LP), 260*
Comfort Keyboard System *(TI), 305*
Community Signs *(AD,ET,LS,LT), 577*
CompuDesk HCP, *468*
Compuscore *(AM,AR), 495*
Compute-A-Match *(AS,VO), 532*
Computer Analysis of Phonological Deiations (CAPD) *(AM,AR,ST), 496*
Computer-Aided Fluency Establishment Trainer (CAFET) *(ET,ST), 580*
CONCENTRATE! On Words & Concepts *(ET,LS,LT), 581*
Concept Keyboard *(TI), 306*
Conceptor *(CR,ET), 581*
Core Reading and Vocabulary Development *(ET,LS), 582*
CREATE *(AR,AS,CR,ES,ET,LS), 583*
Creature Antics and Creature Capers *(ET,GA,TR), 583*
Creature Chorus *(ET,TR), 584*
Creature Features *(ET,TR), 584*
DARCI TOO *(TI), 306*
Data Entry *(ET,VO), 586*
DButton for Windows *(MT,TI), 307*
DECtalk PC *(SS,TO), 402*
DeskScan 3000 *(TI), 307*
Detroit Tests of Learning Aptitude Revised *(AM,AR), 498*
Developmental Profile II (DP-II) *(AR,AS), 533*
Diagnostic Report Writer *(AM), 499*
Discrepancy Determinator DDI-R *(AM), 499*
DOS Tape, *470*
DoubleTalk *(SS), 450*
DPS:BCP *(AP,AS,ET), 533*
DPS:HELP *(AM,AR,IE), 500*
DragonWriter-1000 *(TI), 309*
Duxbury Braille Editor (Edgar) *(BR,PA), 728*
Duxbury Braille Font *(PA), 729*
Duxbury Braille Translator *(BR,PA), 729*
Dvorak Computer Keyboard *(KM), 261*
Dvorak Conversion Keytop Labels *(KM), 261*
Dynamic Acoustics *(AM,ET), 500*
Dynaread *(PA,WP), 730*
E Z Keys *(EC,KM), 262*
Easy Report Writer *(AM,IE), 501*
Echo PCII *(SS), 451*
Echo Words PC *(PA), 730*
Echo-PC *(SS), 452*
EDACTS Keyboard *(CI,EC,TI,WP), 309*
Edufun *(CN,ET,LS), 592*
EEK *(TI), 310*
Electric Crayon and Electric Crayon Deluxe *(DR,ET,RE), 715*
Elementary Signer *(ET,SI), 593*
Employment Signs *(AD,ET,LS,LT), 594*
Enable Reader Professional Speech System *(SV,TO), 403*
ENCORE! *(PA,WP), 731*
Enlarged Alpha & Numeric Keytops *(KM,LP), 263*
Equalizer *(CI,DR,EA,PW,RE,TI,TW), 102*
ERIN (Early Recognition Intervention Network) *(AS,ES,ET), 595*
Evaluate *(AS,KB), 534*
Expanded Keyboard Emulator *(KM), 263*
Expanded Keyboard for IBM Computers *(KG,TI), 311*
Expanded Membrane Keyboard *(TI,TW), 312*
Expanded Numeric Keypads *(TI), 313*
ExpertMouse *(MT,TI), 313*
Eye Relief *(LP,PA,WP), 732*
Eye Slaved Pointing System *(EC,PC,TI), 314*
EZ-D.O.T. *(AM,VO), 502*
ezMorse *(TI), 314*
ezScan *(TI), 315*
FastTRAP *(MT,TI), 315*
Felix *(MT,TI), 316*
Filch *(KM), 264*
Fingerspeller *(ET,SI), 598*
Finish Line *(PA), 733*
First Categories *(ES,ET,LS,LT), 599*
First Verbs and Primeros Verbos *(ES,ET,LT), 600*
First Words *(ES,ET,LT), 601*
First Words II *(ES,ET,LT), 601*
Flipper *(SV,TO), 404*
FlipTrack OneOnOne Computer Training Courses *(ET), 471*
Form-Mate *(PA), 733*
Foundations I *(AR,CR,ES,ET), 603*
Foundations II *(AR,CR,ES,ET), 603*
FreeBoard *(EC,PA,TI), 734*
FreeComm *(CI,EA,PA), 104*
Freedom I *(SV,TO), 404*
Freedom Writer *(PA,WP), 734*
FreeWheel Head Pointer System *(TI), 316*
FreeWheel II Cordless Optical Head Pointer *(MT,TI), 317*
FTG Light Pens *(MT,TI), 317*
Full Access Link *(TI), 318*
Function Pictures *(CR,ET), 604*
Futura-TDD *(CI,PA,PC,TD,TL), 735*
G&O Basic *(AM,IE), 503*
Game Power for Phonics, Plus *(AS,ET,LS), 535*
GhostWRITER *(AM,WP), 504*
Gizmo *(LP,SV,TO), 405*
Goal Digger *(AM,IE), 504*
Goal Rush *(AM,IE), 505*

Grocery Store Words *(AD,ET,LS), 607*
HAL (Home Automation Link) *(EC,PC,TI), 319*
Half-QWERTY One-handed Keyboard Software *(KM), 265*
HandiCHAT and HandiCHAT Deluxe *(SV,TO), 405*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HandiKEY and HandiKEY Deluxe *(KM), 266*
HandiSHIFT *(KM), 266*
HandiWORD and HandiWORD Deluxe *(KM), 267*
Handwriter Recognition System *(MT,TI), 321*
Handy Speech Communication Aide *(CI,EA,SS), 105*
HeadMaster *(MT,TI), 321*
HeadMouse *(MT,TI), 322*
Hearsay Gold *(TI), 322*
Help U Key *(TI), 323*
Help U Keyboard *(TI), 323*
Help U Type *(KM), 267*
Help U Type and Speak *(CI,EA,KM,PA), 735*
HESI Software Report System *(AM,AR), 505*
Hierarchical Attention Training *(CR,ET,LS), 608*
Homographs *(CR,ET,LS), 609*
Homophones *(CR,ET,LS), 610*
Hot Dots Version 3.01 *(BR,PA), 736*
Human Service Information Systems/Fund Accounting *(AM), 506*
IBM Screen Reader/2 *(SV,TO), 406*
IBM Screen Reader/DOS *(SV,TO), 406*
IBM VoiceType 2 *(TI), 324*
IBM-VBII *(BR,PA), 736*
Ideal-Phone *(EC,PC,TL), 213*
iepSYSTEM *(AM,IE), 507*
Inferential Naming for Cognitive and Language Disorders *(CR,ET,LS,LT), 613*
inFocus *(LP,PA), 737*
Information Signs *(AD,ET,LS,LT), 613*
Initial Phoneme Cuing for Aphasics *(CR,ET), 614*
Input Adapter *(IA), 385*
IntelliKeys Keyboard *(TI), 324*
IntroVoice V *(TI), 325*
IntroVoice VI *(SS,TI), 325*
Isos (Interactive Speech Operating System) *(SV,TO), 408*
JAWS Screenreader *(SV,TO), 408*
Job Readiness Series *(AS,ET,VO), 615*
Job Success Series *(ET,VO), 616*
K-U-I *(MT,TI), 327*
KEY Method Worker Rehabilitation System *(AM,AS), 536*
KeyAbility *(KM), 269*
Keyboard Expander *(IA), 387*
Keyboard Interfaces *(IA,KE), 388*
Keyboarding for the Physically Handicapped *(AS,ET,KB), 619*
Keyboarding with One Hand *(ET,KB,WP), 620*
Keycache *(KM), 271*
Keyguard *(KG,KM), 272*
KeyGuard *(KG,KM), 272*
Keyguard *(KG,KM), 273*
Keyguard *(KG,KM), 273*
Keynote GOLD *(SS), 452*
Keyport 300 *(TI), 329*
Keyport 60 *(TI), 329*
Keysoft *(CN,PA,SV,WP), 738*
KeyStopper *(KM), 275*
Keytalk *(ET,KB,LS), 621*
Keyterm *(PA,SV,TL), 739*
KeyUp *(KM), 275*
KeyWiz *(KM), 276*
Keyworks v. 3.0 and Keyworks Advanced Version *(KM), 276*
King Keyboard 2440 *(TI), 330*
KoalaPad+ *(DR,ID), 378*
Language Intervention Planner *(AM,AR,LT), 508*
Large Print Display Processor *(LP,TO), 410*
Large Print Word Processors *(LP,PA,WP), 739*
Large-Type Display Utility Software *(LP,TO), 410*
Laser Optic Keyboard *(CI,TI), 331*
LEARN-PC *(ET,KB), 624*
LIAISON *(EC,KE,PC,TI), 331*
Liberator *(CI,CN,EA,PW,TI), 106*
Light Talker *(CI,EA,EC,PW,TI,TW), 106*
LightBoard *(TI,TW), 332*
Lite Touch *(DR,GA,RE,TI), 333*
LPDOS (Large Print DOS) *(LP,TO), 411*
LPDOS Deluxe Edition with LP-Windows *(DR,LP,TO), 411*
MacroMaster/pro *(KM,TI), 334*
MAGic and MAGic Deluxe *(LP,PA), 741*
Magic Fingers *(KM), 279*
Magic Keyboard *(LP,TO), 412*
Magic Wand Keyboard with McKey Mouse Option *(TI), 335*
Magnum GT *(LP,TO), 412*
Maltron Keyboard *(TI), 335*
Mastering Personal Information (MPI) *(AD,CR,ET), 631*
MasterTOUCH *(SV,TO), 413*
Math Made Easy *(CN,ET,LS), 632*
Medical Words *(AD,ET,LS), 634*
MegaDots *(BR,LP,PA), 743*
Memory I *(CR,ES,ET,LS), 635*
Memory II *(CR,ES,ET,LS), 635*
MIC300i Computer Modem *(PC,TD,TL), 132*
Micro IntroVoice *(SS,TI), 336*
Micro-LADS and Micro-LADS in French *(ET,LT), 636*
Mind Castle I and II *(ET,GA,LS), 636*
MindReader *(PA,WP), 744*
Mini Keyboard *(TI), 337*
Mini Membrane Keyboard *(TI), 337*
Mini-Keyboards *(TI), 338*
Minimal Motion *(TI), 338*
Minspeak Application Programs (MAP) *(CI,PA), 744*
Model BEP I, II, III, IV, V, VII *(AM,AS), 510*
Morse Code WSKE II *(TI), 339*
Morsek Version 1.1 *(TI), 339*
Mount Murdoch *(ET,GA,RE), 640*
Mountbatten Brailler *(BD,BR,PW), 438*
Mouse Keys *(TI), 340*
MousePen *(MT,TI), 341*
MouseTouch *(MT,TI), 342*
Multiport, *477*
Multisensory Curriculum *(AM,CN,CR,ES,ET,LT), 641*
MY HOUSE: Language Activities of Daily Living *(ET,LS,LT), 641*
MY SCHOOL: Language Activites of Daily Living *(ET,LS), 642*
MY TOWN: Language Activities of Daily Living *(ET,LS,LT), 642*
NAMES *(BR,PA), 745*
Navigator *(BD,BR,PW,TO), 413*
NeuroPage *(AD,CM,CR), 246*
NexCom I *(CI,TD,TL), 133*
Night-Off, *478*
No-Keys *(TI), 344*
NOHOLD *(KM), 280*
NoMouse *(MT,TI), 344*
Notex *(BR,PW,TO,WP), 414*
Numeric Concepts I and II *(ET,LS), 644*
Ohtsuki BT-5000 Braille/Print Printer *(BD,BR), 439*
Omni-Reader *(TI), 345*
OmniKey Keyboards *(KM), 281*
On-Command *(TI), 345*
One Access *(IA,TI), 346*
OneKey *(KM,PA), 747*
OneStrk *(TI), 346*
Open Book Unbound *(TI), 347*
Optacon PC *(TO), 415*
OPTEQ V and VFF *(LP,TO), 416*
Optimouse *(MT,TI), 348*
Optimum Resource Reading Program *(AS,ET,LS), 646*
OT FACT *(AM,AR,AS), 537*
Overlays for the Expanded Membrane Keyboard, *479*
Paddle Panel *(IA), 390*
Panorama *(LP,TO), 417*
Parrot Easy Language Sample Analysis (PELSA) *(AM,AR,AS,LT), 510*
PC Braille *(BR,PA), 747*
PC King Keyboard *(TI), 349*
PC Mini Keyboard *(TI), 350*
PC Scan 3000 and Personal Scan *(TI), 350*
PC Sift *(BR,PA), 748*
PC-Pedal *(KM), 282*

PC-TRAC *(MT,TI), 351*
PC-Voice *(CI,EA,PA,PW,TI), 748*
PC/KPR *(TI), 351*
PCKey *(KM), 282*
PECK Computer Software *(KM), 283*
PEPPER *(AM,AR,ST), 511*
Personal Attendant *(DS,EC,PC,TI,WP), 352*
Personal Touch *(BD), 439*
Phone-TTY CM-4 Computer Modem *(CI,PC,TD,TL), 136*
PhoneCommunicator *(PA,PC,TD), 749*
PhraseIT *(PA,TI), 750*
Picture Perfect *(DR,PA,RE), 750*
Pictures Programs: I, II and III *(CR,ES,ET,LS), 651*
PKD 84 and 101 *(TI), 353*
PopComm *(CI,PA,SS), 751*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
Powerama *(LP,TO), 417*
PowerKey Software for IBM *(TI), 354*
PowerPad *(DR,RE,TI), 354*
PowerPad Starter Kit *(TI), 355*
PRD+ (Productivity Plus) Basic Edition *(KM), 285*
Prefix *(KM), 285*
Private Eye *(TO), 418*
Pro-Score Systems *(AM), 513*
Problem Solving *(CR,ET), 656*
Project Star *(ET,LS), 658*
ProKey For DOS *(KM), 286*
Proportional Keystroke Scanner *(TI), 356*
Protalk *(SV,TO), 418*
PROVOX *(SV,TO), 419*
Pure Tone Simulation *(AM,ET), 513*
R/COM *(AM), 514*
Race the Clock *(ET,GA,RE), 659*
Radio Mouse *(MT,TI), 357*
Ralph the Reader *(PA,SV), 754*
Randt Memory Test *(AR,AS,CR), 539*
RAPIDTEXT *(PA), 754*
Reading AdvantEdge *(TI,TO), 358*
Reading Comprehension for Adolescents *(CR,ET), 662*
RealVoice PC *(SS), 454*
Referential Semantic Analysis *(AM,AR,LT), 514*
Rehabilitation Manager *(AM), 515*
Remote Keyboard *(KE,TI), 359*
Rhyming Pictures *(CR,ET), 664*
Robotic Work Station Attendant *(BP,EC,PC,RC), 223*
Roller Mouse *(MT,TI), 361*
Safety Signs *(AD,ET,LS,LT), 665*
SALT (Systematic Analysis of Language Transcripts) *(AM,AR,LT), 516*
SARA Keys *(KM), 289*
Scan 300/S *(TI), 361*
Scanning WSKE II *(TI), 362*
SeeBEEP *(PA,TO), 420*
Semantic Development Using Code Breaking Strategies *(ET,LS,LT), 668*
Serial Recall: Rehearsal *(AS,CR,ET), 669*
Serial Trackball and PS/2 Trackball *(MT,TI), 363*
Sheri *(AM,AR,IE), 516*
SIDD (Software Interface for the Deaf and Disabled) *(PA,PC,TD), 755*
Single Switch Assessment Program for IBM *(AS,ET,TR), 541*
SKERF-Pad *(SV,TO), 421*
Slimware *(SV,TO), 421*
Slimware Window Bridge *(SV,TO), 422*
Slosson Intelligence Test - Revised Computer Report *(AM,AR), 517*
Soft Tools *(CR,ES,ET,LS,LT), 674*
Soft Vert *(SV,TO), 422*
Sounding Board *(SS), 455*
Speaqualizer *(SV,TO), 423*
Special Needs Tracker Ball & Joystick Module *(MT,TI), 364*
Spectrum I *(AM,AR,VO), 517*
Speech Secretary Systems *(TI,WP), 364*
Speech Thing *(SS), 455*
SpeechViewer *(ET,ST), 677*
SpeechViewer II *(AM,ET,ST), 678*
SpeedScan *(TI), 365*
Spell-A-Word & 2+2 *(CN,ET,LS), 678*
Stanford-Binet Computer Report (SB-CR) *(AM,AR), 518*
Stickey *(KM), 290*
SuperKey *(KM), 290*
Survival Words *(AD,AS,ET,LS,LT), 683*
Switchboard *(MT,TI), 365*
SwitchMouse *(MT,TI), 366*
Synergy Computer System *(CI,PW,TI), 366*
SynPhonix 210 and 215 *(IA,SS), 456*
Talk-to-Me Tutorial Cassettes *(ET), 483*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,ET,TR), 688*
Talking Screen *(CI,EA,PA), 122*
TALLEY Goals and Objectives Writer *(AM,IE), 518*
Teenage Switch Progressions *(ET), 691*
Televox *(PC,SS,TO), 458*
Test of Early Reading Ability-2 (TERA-2) Scoring System *(AM,AR), 519*
Test of Language Development-2 (TOLD-2) *(AR,AS), 541*
The Logical Choice (TLC) *(AM), 520*
Thumbelina *(MT,TI), 367*
TinyTalk *(SV,TO), 425*
TOAL-2 Software Scoring System *(AM,AR), 520*
Touch Talker *(CI,EA,EC,PW,TI,TW), 123*
TouchWindow *(DR,DS,ID,RE,WP), 380*
Trace Math Aid *(CN,ET), 695*
Transportation Signs *(AD,ET,LS,LT), 695*
TurboBraille *(BR,PA), 761*
Twiddler *(MT,TI), 369*
Twin-Vu *(LP,TO), 425*
Type to Learn *(ET,KB), 696*
U-Control *(EC), 229*
Understanding Attributes *(CR,ET), 697*
Understanding Decibels *(AM,ET), 521*
Uni-Key *(KM), 292*
Unicorn Membrane Keyboards *(TI,TW), 369*
Valpar System 2000 *(AM,AS,VO), 522*
Vantage CCD *(LP,TO), 426*
VCS 3500 with TDD Software *(CI,PA,TD,TL), 763*
Verb Fill-Ins *(CR,ET), 701*
Verbal Analogies *(ET,LS,LT), 701*
Verbal Operating System (VOS) 5.0 and VOS Basic *(KM,SV,TO), 427*
VERBal STAR *(PA,SV,WP), 763*
Verbal View *(LP,TO), 427*
Verbette Mark I *(SS), 460*
Verbette Mark II *(SS), 460*
VersaPoint Graphics *(BR,PA), 764*
Vert Plus *(SV,TO), 428*
Vertex System *(AM,VO), 522*
VisAbility *(LP,PA), 765*
Visi-Pitch Model 6095/6097 *(AR,ET,ST), 702*
VISPA *(CR,ET), 703*
Vista and Vista 2 *(LP,TO), 429*
Visuospatial Skills I *(AR,CR,ET), 703*
Visuospatial Skills II *(AR,CR,ET), 704*
Vocal-Eyes *(SV,TO), 429*
Voice Card *(TI), 370*
Voice Master Key System and Key System II *(ID,SS,TI), 371*
Voicebox *(TI), 372*
VoiceCAD *(DR,ID,PA), 380*
WAIS-Riter "BASIC" *(AM,AR), 523*
WAIS-Riter "Complete" *(AM,AR), 524*
Watchdog *(PA), 766*
Waveform Display System Model 6091 *(AM), 524*
Wechsler Adult Intelligence Scale-Revised (WAIS-R) *(AM,AR), 525*
Western Center Echo Synthesizer Package *(SV), 486*
WISC-Riter "BASIC" *(AM,AR), 526*
WISC-Riter Complete *(AM,AR), 526*
Wish Writer *(PA,WP), 766*
WiViK (Windows Visual Keyboard) *(TI), 373*
Word Order in Sentences *(ET,LS,LT), 707*
Words and Concepts I, II, III *(ET,LS,LT), 709*
WP Sift *(BR,PA), 768*
WSCC (Washington State Cooperative Curriculum) *(ET,LS), 710*

X-10 Home Control Interface *(EC), 233*
Zero to Five *(ET,LS), 711*
ZoomCaps *(KM), 293*
ZoomText *(LP,TO), 430*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW), 125*
Zygo TETRAscan II *(TI), 373*

IBM PC jr

This list includes only products which specifically work with the IBM PC jr. Products which also work with other IBM PCs will appear here and under "IBM PC Family."

Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
COINSNKEYS *(CN,ES,ET,KB), 575*
Foundations I *(AR,CR,ES,ET), 603*
Foundations II *(AR,CR,ES,ET), 603*
Game Power for Phonics, Plus *(AS,ET,LS), 535*
Muppet Learning Keys *(ET,GA,ID), 379*
Numeric Concepts I and II *(ET,LS), 644*
Picture Perfect *(DR,PA,RE), 750*
Race the Clock *(ET,GA,RE), 659*
Serial Recall: Assessment *(AM,AR,AS,CR), 540*
Type to Learn *(ET,KB), 696*

IBM PS/2 Family

This list includes products which work with all of the IBM Personal System/2 computers. It also includes any products for which the manufacturer has not provided model-compatibility information. Products which only work with specific models are listed under those models.

1-Finger Version 5.05 *(KM), 255*
1-Key *(KM), 255*
AbiliCad *(DR,ID,PA), 377*
AbleOffice, *465*
Accent-MC *(SS), 445*
Access Pack for Microsoft Windows *(IA,KM,MT,TI), 256*
AccessDOS *(IA,KM,MT,TI), 256*
ALVA Braille Terminals *(BD,BR,TO), 397*
Arkenstone Reader *(TI,TO), 301*
Artic TransPort *(SS,SV), 448*
Assess *(AR,AS,ET,LS), 529*
BallPoint Mouse *(MT,TI), 301*
BookWise *(TI,TO), 303*
Braille-Talk *(BR,PA,SV), 724*
Breakthru Box *(TI), 303*
Breath Input Device, *149*
BUG Voice Command System *(TI), 304*
Business FOCUS *(LP,TO), 400*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS), 566*
Community Signs *(AD,ET,LS,LT), 577*
CompuDesk HCP, *468*
CREATE *(AR,AS,CR,ES,ET,LS), 583*
DARCI TOO *(TI), 306*
DButton for Windows *(MT,TI), 307*
DeskScan 3000 *(TI), 307*
Developmental Profile II (DP-II) *(AR,AS), 533*
DOS Tape, *470*
DragonDictate *(TI,WP), 308*
Dvorak Computer Keyboard *(KM), 261*
Echo PCII *(SS), 451*
Echo-PC *(SS), 452*
Employment Signs *(AD,ET,LS,LT), 594*
Evaluate *(AS,KB), 534*
Expanded Keyboard for IBM Computers *(KG,TI), 311*
Expanded Numeric Keypads *(TI), 313*
Expert Mouse *(MT,TI), 313*
ezMorse *(TI), 314*
ezScan *(TI), 315*
FastTRAP *(MT,TI), 315*
Filch *(KM), 264*
Finish Line *(PA), 733*
First Categories *(ES,ET,LS,LT), 599*
First Verbs and Primeros Verbos *(ES,ET,LT), 600*
First Words *(ES,ET,LT), 601*
First Words II *(ES,ET,LT), 601*
Flipper *(SV,TO), 404*
FlipTrack OneOnOne Computer Training Courses *(ET), 471*
Form-Mate *(PA), 733*
FreeWheel II Cordless Optical Head Pointer *(MT,TI), 317*
GEWA FTB 108 Enlarged Keyboard *(TI), 318*
GEWA METB 121 Reduced Size Keyboard *(TI), 319*
Gizmo *(LP,SV,TO), 405*
Goal Digger *(AM,IE), 504*
Goal Rush *(AM,IE), 505*
HandiCHAT and HandiCHAT Deluxe *(SV,TO), 405*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HandiKEY and HandiKEY Deluxe *(KM), 266*
HandiSHIFT *(KM), 266*
HandiWORD and HandiWORD Deluxe *(KM), 267*
Help U Key *(TI), 323*
Help U Keyboard *(TI), 323*
Help U Type *(KM), 267*
Help U Type and Speak *(CI,EA,KM,PA), 735*
Hot Dots Version 3.01 *(BR,PA), 736*
IBM Screen Reader/2 *(SV,TO), 406*
IBM Screen Reader/DOS *(SV,TO), 406*
IBM THINKable/2 *(AR,CR,ET), 611*
inFocus *(LP,PA), 737*
Information Signs *(AD,ET,LS,LT), 613*
IntelliKeys Keyboard *(TI), 324*
IRIS Reading Interface *(SV,TI), 326*
Isos (Interactive Speech Operating System) *(SV,TO), 408*
JAWS Screenreader *(SV,TO), 408*
Keycache *(KM), 271*
Keyguard *(KG,KM), 272*
Keyguard *(KG,KM), 273*
Keysoft *(CN,PA,SV,WP), 738*
Keyterm *(PA,SV,TL), 739*
King Keyboard 2440 *(TI), 330*
KoalaPad+ *(DR,ID), 378*
Large-Type Display Utility Software *(LP,TO), 410*
Liberator *(CI,CN,EA,PW,TI), 106*
LPDOS (Large Print DOS) *(LP,TO), 411*
LPDOS Deluxe Edition with LP-Windows *(DR,LP,TO), 411*
MacroMaster/pro *(KM,TI), 334*
Magic Wand Keyboard with McKey Mouse Option *(TI), 335*
Magnum GT *(LP,TO), 412*
Maltron Keyboard *(TI), 335*
Marathon *(AM), 509*
Math Made Easy *(CN,ET,LS), 632*
MIC300i Computer Modem *(PC,TD,TL), 132*
MIKE (Mouse Interface & Keyboard Emulation) *(MT,TI), 336*
Mini Keyboard *(TI), 337*
Mini Membrane Keyboard *(TI), 337*
Mini-Keyboards *(TI), 338*
Minspeak Application Programs (MAP) *(CI,PA), 744*
Morsek Version 1.1 *(TI), 339*
MousePen *(MT,TI), 341*
MouseTouch *(MT,TI), 342*
NeuroPage *(AD,CM,CR), 246*
NexCom I *(CI,TD,TL), 133*
Numeric Concepts I and II *(ET,LS), 644*
On-Command *(TI), 345*
Optacon PC *(TO), 415*
OT FACT *(AM,AR,AS), 537*
Overlays for the Expanded Membrane Keyboard, *479*
Panorama *(LP,TO), 417*
PC Braille *(BR,PA), 747*
PC-TRAC *(MT,TI), 351*
PhraseIT *(PA,TI), 750*
PKD 84 and 101 *(TI), 353*
Powerama *(LP,TO), 417*
PRD+ (Productivity Plus) Basic Edition *(KM), 285*
Protalk *(SV,TO), 418*

Rehabilitation Manager *(AM), 515*
Remote Keyboard *(KE,TI), 359*
Robotic Work Station Attendant *(BP,EC,PC,RC), 223*
Roller Mouse *(MT,TI), 361*
Safety Signs *(AD,ET,LS,LT), 665*
SeeBEEP *(PA,TO), 420*
Serial Recall: Assessment *(AM,AR,AS,CR), 540*
Serial Trackball and PS/2 Trackball *(MT,TI), 363*
Special Needs Tracker Ball & Joystick Module *(MT,TI), 364*
Speech Thing *(SS), 455*
SpeechViewer *(ET,ST), 677*
SuperKey *(KM), 290*
Survival Words *(AD,AS,ET,LS,LT), 683*
Switchboard *(MT,TI), 365*
SwitchMouse *(MT,TI), 366*
SynPhonix 310 and 315 *(SS), 458*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,MT,TI), 393*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,ET,TR), 688*
Thumbelina *(MT,TI), 367*
Transportation Signs *(AD,ET,LS,LT), 695*
Verbal Operating System (VOS) 5.0 and VOS Basic *(KM,SV,TO), 427*
VERBal STAR *(PA,SV,WP), 763*
Verbal View *(LP,TO), 427*
Verbette Mark II *(SS), 460*
VISPA *(CR,ET), 703*
Visuospatial Skills I *(AR,CR,ET), 703*
Vocal-Eyes *(SV,TO), 429*
Voice Master Key System and Key System II *(ID,SS,TI), 371*
WiViK (Windows Visual Keyboard) *(TI), 373*
Words and Concepts I, II, III *(ET,LS,LT), 709*
ZoomText *(LP,TO), 430*

IBM PS/2 Models 25/30

This list includes products which work with the IBM PS/2 Model 25 and/or Model 30. If a product works with all of the PS/2 models, it would not be listed here, but would appear under "IBM PS/2 Family." If it works with the Model 25 or 30, and also with certain other models, it would appear here and under those other models.

Anivox Computer Speech System *(AS,ET,ST), 553*
CAFET for KIDS *(ET,ST), 565*
Computer-Aided Fluency Establishment Trainer (CAFET) *(ET,ST), 580*
Core Reading and Vocabulary Development *(ET,LS), 582*
Keyboard Expander *(IA), 387*
Large Print Display Processor *(LP,TO), 410*
PC Scan 3000 and Personal Scan *(TI), 350*
PC/KPR *(TI), 351*
PhoneCommunicator *(PA,PC,TD), 749*
Proportional Keystroke Scanner *(TI), 356*
Slimware *(SV,TO), 421*
Sounding Board *(SS), 455*
Speaqualizer *(SV,TO), 423*
SynPhonix 210 and 215 *(IA,SS), 456*
Visi-Pitch Model 6095/6097 *(AR,ET,ST), 702*
Voicebox *(TI), 372*

IBM PS/2 Models 50/60

This list includes products which work with the IBM PS/2 Model 50 and/or Model 60. If a product works with all of the PS/2 models, it would not be listed here, but would appear under "IBM PS/2 Family." If it works with the Model 50 or 60, and also with certain other models, it would appear here and under those other models.

DocuRead Expert *(TI), 308*
OsCaR *(TI), 348*
Proportional Keystroke Scanner *(TI), 356*

IBM PS/2 Models 70/80

This list includes products which work with the IBM PS/2 Model 70 and/or Model 80. If a product works with all of the PS/2 models, it would not be listed here, but would appear under "IBM PS/2 Family." If it works with the Model 70 or 80, and also with certain other models, it would appear here and under those other models.

DocuRead Expert *(TI), 308*
OsCaR *(TI), 348*

IBM RT PC

This list includes products which specifically work with the IBM RT PC.

BUG Voice Command System *(TI), 304*
PC Braille *(BR,PA), 747*
Rehabilitation Manager *(AM), 515*

ITT

This list includes products which have been specifically described by their manufacturers as working with ITT computers.

HandiCHAT and HandiCHAT Deluxe *(SV,TO), 405*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HandiKEY and HandiKEY Deluxe *(KM), 266*
HandiSHIFT *(KM), 266*
HandiWORD and HandiWORD Deluxe *(KM), 267*
SeeBEEP *(PA,TO), 420*

NEC (some or all models)

This list includes only products which are designed specifically to work with particular models of NEC computers. Software and hardware designed to work with any MS-DOS computer will be listed under "IBM-PC Family."

Evaluate *(AS,KB), 534*
Filch *(KM), 264*
HandiCHAT and HandiCHAT Deluxe *(SV,TO), 405*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HandiKEY and HandiKEY Deluxe *(KM), 266*
HandiSHIFT *(KM), 266*
HandiWORD and HandiWORD Deluxe *(KM), 267*
Morsek Version 1.1 *(TI), 339*
SeeBEEP *(PA,TO), 420*

Nintendo

This list includes devices which are specifically capable of controlling Nintendo games.

Hands Free Controller *(GA,RE,TI), 320*
Mouth Operated Joystick for Nintendo *(GA,RE,TI), 342*

Panasonic Laptop

Porta-Voice *(CI,EA,PW,WP), 112*

Sun Microsystems SPARCstation

Roller Mouse *(MT,TI), 361*

Tandy 1000

This list includes only products which are designed specifically to work with the Tandy 1000 computer. Software and hardware designed to work with any MS-DOS computer will be listed under "IBM-PC Family."

HandiCHAT and HandiCHAT Deluxe *(SV,TO), 405*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HandiKEY and HandiKEY Deluxe *(KM), 266*
HandiSHIFT *(KM), 266*
HandiWORD and HandiWORD Deluxe *(KM), 267*
iepSYSTEM *(AM,IE), 507*
SeeBEEP *(PA,TO), 420*

Texas Instruments TI 99/4A

This list includes products which are specifically designed to work with the Texas Instruments TI 99/4A computer.

Audible Cursor Routine *(CI,PA,TR), 720*
Communication Programs *(CI,EC,PA,TR), 727*
Electronic Talk Board *(CI,ET,ID,PA,TR), 731*
Geometric Figures and Spatial Concepts *(ES,ET), 606*
Keyboarding Program with Voice Output *(ET,KB), 620*
Keyguard *(KG,KM), 273*
Learning the Alphabet *(ES,ET), 625*
Program for Aphasics *(CR,ET), 657*
Telling Time, Parts of the Face, Learning Colors *(ES,ET), 692*

Toshiba Laptops

This list includes only products specifically designed to work with particular models of Toshiba laptop computers. Software and hardware designed to work with any MS-DOS computer will be listed under "IBM-PC Family."

Accent-1600 *(SS), 445*
Accent-SX *(SS), 447*
AudScan II *(CI,EA), 97*
Evaluate *(AS,KB), 534*
Filch *(KM), 264*
HandiCHAT and HandiCHAT Deluxe *(SV,TO), 405*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HandiKEY and HandiKEY Deluxe *(KM), 266*
HandiSHIFT *(KM), 266*
HandiWORD and HandiWORD Deluxe *(KM), 267*
KeyBraille *(BD,BR), 437*
Keynote GOLD *(SS), 452*
LPDOS (Large Print DOS) *(LP,TO), 411*
Morsek Version 1.1 *(TI), 339*
Navigator *(BD,BR,PW,TO), 413*
PC-TRAC *(MT,TI), 351*
Porta-Voice II *(CI,EA,PW,SS,WP), 112*
SeeBEEP *(PA,TO), 420*
Slimware *(SV,TO), 421*
Sounding Board *(SS), 455*
SoundProof *(SS,SV,TO), 423*
SynPhonix 220 and 225 *(IA,SS), 456*
SynPhonix 230 and 235 *(SS), 457*
SynPhonix 250 and 255 *(SS), 457*

TRS-80 Model 100

This list includes products which specifically work with the TRS-80 Model 100. If a product works with other specific models, it will be listed under those other models as well. If it works with ALL TRS-80 computers, it will be listed under "TRS-80 Family," and not here.

HandiCHAT and HandiCHAT Deluxe *(SV,TO), 405*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HandiKEY and HandiKEY Deluxe *(KM), 266*
HandiSHIFT *(KM), 266*
HandiWORD and HandiWORD Deluxe *(KM), 267*
SeeBEEP *(PA,TO), 420*

TRS-80 Model 200

This list includes products which specifically work with the TRS-80 Model 200. If a product works with other specific models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it will be listed under "TRS-80 Family," and not here.

HandiCHAT and HandiCHAT Deluxe *(SV,TO), 405*
HandiCODE and HandiCODE Deluxe *(SV,TI), 320*
HandiKEY and HandiKEY Deluxe *(KM), 266*
HandiSHIFT *(KM), 266*
HandiWORD and HandiWORD Deluxe *(KM), 267*
SeeBEEP *(PA,TO), 420*

TRS-80 Model I

This list includes products which specifically work with the TRS-80 Model I. If a product works with other specific TRS-80 models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it will be listed under "TRS-80 Family," and not here.

Cogrehab Vol. 2 *(CR,ET,LS), 572*
Cogrehab Vol. 3 Version 2.0 *(CR,ET,LS), 573*
Low Vision Editor (LVE) and LVE23 *(LP,PA,WP), 740*

TRS-80 Model II

This list includes products which specifically work with the TRS-80 Model II. If a product works with other specific TRS-80 models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it will be listed under "TRS-80 Family," and not here.

Drive to Live *(ET,LS), 587*
Handi-Keys *(AR,AS,KM), 265*

TRS-80 Model III

This list includes products which specifically work with the TRS-80 Model III. If a product works with other specific TRS-80 models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it will be listed under "TRS-80 Family," and not here.

Arlin Test of Formal Reasoning Computer Report *(AM,AR), 491*
Cogrehab Vol. 2 *(CR,ET,LS), 572*
Cogrehab Vol. 3 Version 2.0 *(CR,ET,LS), 573*
Core Reading and Vocabulary Development *(ET,LS), 582*
Game Power for Phonics, Plus *(AS,ET,LS), 535*
H:1 Handicapped Word Games *(ET,GA,LS,RE), 715*
H:2 Handicapped Arithmetic Flash Cards *(CN,ET,LS,RE), 608*
Keyboarding for the Physically Handicapped *(AS,ET,KB), 619*
Low Vision Editor (LVE) and LVE23 *(LP,PA,WP), 740*
Slosson Intelligence Test - Revised Computer Report *(AM,AR), 517*

TRS-80 Model IV

This list includes products which specifically work with the TRS-80 Model IV. If a product works with other specific TRS-80 models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it would be listed under "TRS-80 Family," and not here.

Arlin Test of Formal Reasoning Computer Report *(AM,AR), 491*
Cogrehab Vol. 2 *(CR,ET,LS), 572*

Cogrehab Vol. 3 Version 2.0 *(CR,ET,LS), 573*
Core Reading and Vocabulary Development *(ET,LS), 582*
Game Power for Phonics, Plus *(AS,ET,LS), 535*
Keyboarding for the Physically Handicapped *(AS,ET,KB), 619*
Low Vision Editor (LVE) and LVE23 *(LP,PA,WP), 740*
Slosson Intelligence Test - Revised Computer Report *(AM,AR), 517*

Unix

This list includes products specifically designed to be used with computers running the Unix operating system. Contact product manufacturers to find out exactly what hardware is required.

BAT *(TI), 302*
PC Braille *(BR,PA), 747*
Vertex System *(AM,VO), 522*

Index 5

Manufacturers Listed with their Products

This index includes the name, address, phone and a list of products for every manufacturer in the ResourceBook. Manufacturers are listed alphabetically. The page location for each of the manufacturer's products follows the product name. The index provides the necessary contact information on the manufacturers, and also allows you to locate a product description when all you know is the name of a manufacturer.

Abacus
5370 52nd Street, Grand Rapids, MI 49512
(616) 698-0330; (800) 451-4319

NoMouse, *344*

Abaton Technology Corporation
48431 Milmont Drive, Mailstop B1-12, Fremont, CA 94533
(800) 444-5321; FAX (415) 683-2151

Scan 300/S, *361*

AbiliTech Inc.
502 Davis Avenue North, P.O. Box 635, Thief River Falls, MN 56701
(218) 681-5766

AbiliCad, *377*

Ability Center of Greater Toledo
Rehabilitation Technology Department, 5605 Monroe Street, Sylvania, OH 43560
(419) 882-0941

Roll & Slide Keyboard Wrist Support, *288*

Ability Research, Inc.
P.O. Box 1721, Minnetonka, MN 55345
(612) 939-0121

LightBoard, *332*
LightSwitch, *167*

Ability Systems Corporation
1422 Arnold Avenue, Roslyn, PA 19001
(215) 657-4338

KeyUp, *275*
Proportional Keystroke Scanner, *356*

AbleNet, Inc.
1081 10th Avenue S.E., Minneapolis, MN 55414
(800) 322-0956; (612) 379-0956

Battery Device Adapter, *25*
Big Red, Yellow, Green, and Blue, *148*
Computer Switch Interface, *384*
Internal I/O Port Adapter, *386*
Jelly Bean, *163*
PigTail Adapters, *42*
PowerLink 2, *220*
Series Adapter, *47*
SpeakEasy, *118*
String Switch, *185*
Switch Latch and Timer, *49*

Academic Counseling & Evaluation
7519 Brentwood, Stockton, CA 95209
(209) 957-7541

Computerized Inventory of Basic Skills (CIBS), *497*

Academic Therapy Publications
20 Commercial Boulevard, Novato, CA 94949
(800) 422-7249; CA (415) 883-3314

Explorer, *501*
Learning Skills Profile, *508*
WISC-R Compilation: What To Do Now..., *525*

Access Unlimited-SPEECH Enterprises
3535 Briarpark Drive #102, Houston, TX 77042
(713) 461-0006

Audio Braille Game Tutorial, *557*
Fun With Math, *604*
LittleJack, *474*
Master Talker, *475*
Phonics Round-Up, *649*
Sharon's Programs, *670*
Spell-Talk, *679*
Spelling Tutor, *679*
Spin and Spell, *680*
Study Buddy, *682*
Talking Games #1, *716*
Tall Talk Prints v. 2, *424*
Type-Hype, *697*
Ultimate Banker, *762*
Ultimate File Cabinet, *762*

Acrontech International, Inc.
Williamsville Executive Center, 5500 Main Street, Williamsville, NY 14221
(716) 854-3814

Twin-Vu, *425*

ACS Communications
250 Technology Circle, Scotts Valley, CA 95066
(800) 995-5500

ACS Headsets, *199*

Adaptive Communication Systems Technologies
1400 Lee Road, Coraopolis, PA 15108
(800) 227-2922

Controller, *204*
DAC, *99*
EvalPAC with RealVoice, *102*
Flexi-Formboard, *3*
HX-20 Protective Cover, *269*
Light Pointer, *15*
On/Off Adaptor Switch, *281*
RealVoice, *114*
RealVoice PC, *454*
Reinforced Keyguard, *287*
ScanPAC, *117*

Adaptive Computers
11 Fullerton Street, Suite 204, Albany, NY 12209
(518) 434-8860

One-Switch Paintbrush, *746*

Adaptive Innovations
66 Hale Road, East Walpole, MA 02032
(508) 660-2635

PhraseIT, *750*
Synergy Computer System, *366*

Adhoc Reading Systems, Inc.
28 Brunswick Woods Drive, E. Brunswick, NJ 08816
(201) 254-7300

DocuRead Expert, *308*
Elobox, *403*
Notex, *414*

Advanced Gravis Computer Technology Ltd.
111-7400 MacPherson Avenue, Burnaby, BC V5J 5B6 CANADA
(604) 431-5020

MouseStick II, *341*

Advanced Input Devices
W. 250 A.I.D. Drive, Coeur d'Alene, ID 83814
(208) 765-8000

PKD 84 and 101, *353*

Ady, Donald
56 Oak Ridge Avenue, Summit, NJ 07901
(908) 277-3365

Low Vision Editor (LVE) and LVE23, *740*

Affinity Micro Systems, LTD
1900 Folsome Street, Suite 205, Boulder, CO 80302
(800) 367-6771; (303) 442-4840

Tempo II Plus, *291*

Al Squared
P.O. Box 669, Manchester Center, VT 05255-0669
(802) 362-3612; FAX (802) 362-1670

inFocus, *737*
VisAbility, *765*
ZoomText, *430*

Aicom Corporation
1590 Oakland Road, Suite B112, San Jose, CA 95131
(408) 453-8251; FAX (408) 453-8255

Accent-1600, *445*
Accent-MC, *445*
Accent-Mini, *446*
Accent-PC, *446*
Accent-SA, *447*
Accent-SX, *447*

AJ Weiner Inc/New England Computer Products
160 North Main Street, Randolph, MA 02368
(800) 634-6692; MA (617) 963-9313

MacroMaster/pro, *334*

AliMed Inc.
297 High Street, Dedham, MA 02026
(617) 329-2900

Articulating Drawers, *257*
Keyboard Wrist Rest, *271*
Notebook Computer Wrist Rest, *280*

Alpha Software
168 Middlesex Turnpike, Burlington, MA 01803
(617) 229-2924; (617) 272-3680

Keyworks v. 3.0 and Keyworks Advanced Version, *276*

Altra
520 W. Cedar Street, Rawlins, WY 82301
(307) 328-1342; FAX (307) 745-3627

Felix, *316*

American Communication Corporation
180 Roberts Street, East Hartford, CT 06108
(203) 289-3491

LUV 1, *130*

American Occupational Therapy Association (AOTA)
1383 Piccard Drive, Rockville, MD 20850
(301) 948-9626

OT FACT, *537*

American Printing House for the Blind (APH)
P.O. Box 6085, Louisville, KY 40206-0085
(502) 895-2405; (800) 223-1839

APH/SEI Talking Software, *554*
Apple IIGS Owner's Guide: Disk Edition, *466*
Brailled Keyboard Model--Apple IIe, *468*
Brailled Keyboard Overlay for the Apple IIGS, *259*
Elementary Volume 1 - Mathematics, *593*
Speaking Speller, *676*
Speaqualizer, *423*
Talking Literacy Kit for the Apple IIe (TALK), *687*
Talking Utilities for ProDOS, *483*
Teacher's Pet, *519*
TEXTALKER, *424*

American Thermoform Corporation
2311 Travers Avenue, City of Commerce, CA 90040
(213) 723-9021

Braillo 200, *435*
Braillo 400 S, *435*
Braillo Comet, *436*
Ohtsuki BT-5000 Braille/Print Printer, *439*

Ameriphone, Inc.
7231 Garden Grove Blvd., Suite E, Garden Grove, CA 92641-4219
(714) 897-0808; FAX (714) 897-4703

Auto Call Single Number Dialer, *237*
Call Alert Model CA-100, *238*
Remote Control Speakerphone Model RC3000, *223*

Amidon Publications
1966 Benson Ave., St. Paul, MN 55116
(800) 328-6502; (612) 690-2401

Computer CUP, *579*

Animated Voice Corporation
P.O. Box 819, San Marcos, CA 92069
(800) 942-3699; (619) 744-8190 CA

Anivox Computer Speech System, *553*

Apple Computer, Inc.
Worldwide Disability Solutions Group, MS 2SE, 20525 Mariani Ave., Cupertino, CA 95014
(408) 996-1010

Apple Adjustable Keyboard, *300*
CloseView, *401*
Easy Access, *262*

Applications Express, Inc.
179 Avenue at the Common, Shrewsbury, NJ 07702
(908) 389-3366; (614) 847-8213

Speech Secretary Systems, *364*

Appoint
1332 Vendels Circle, Paso Robles, CA 93446
(800) 448-1184; (805) 239-8976

MousePen, *341*
Thumbelina, *367*

Ariel Corporation
433 River Road, Highland Park, NJ 08904
(908) 249-2900; FAX (908) 249-2123

Sensimetrics SpeechStation, *540*

Arkenstone, Inc.
1390 Borregas Avenue, Sunnyvale, CA 94089
(800) 444-4443; (408) 752-2200

Arkenstone Reader, *301*
Open Book, *347*
Open Book Unbound, *347*

Artic Technologies
55 Park Street, Troy, MI 48083
(313) 588-7370; FAX (313) 588-2650

Artic TransPort, *448*
Artic Vision, *398*
Avalon Computers, *399*
Business FOCUS, *400*
Business Vision, *401*
ENCORE!, *731*
Gizmo, *405*
Magnum GT, *412*
SynPhonix 210 and 215, *456*
SynPhonix 220 and 225, *456*
SynPhonix 230 and 235, *457*
SynPhonix 250 and 255, *457*
SynPhonix 310 and 315, *458*

Articulate Systems, Inc.
600 West Cummings Park, Suite 4500, Woburn, MA 01801
(800) 443-7077; (617) 935-5656

Voice Navigator SW and II, *372*

Artificial Language Laboratory
Michigan State University, 405 Computer Center, East Lansing, MI 48824
(517) 353-5399

SCATIR, *181*

Artificial Speech Aids
2027 Read Street, #53, Omaha, NE 68112
(402) 453-6320

Tokyo Artificial Larynx, *7*

ARTS Computer Products, Inc.
33 Richdale Avenue, P.O. Box 604, Cambridge, MA 02140
(617) 547-5320; (800) 343-0095

PC Braille, *747*
PC Sift, *748*
WP Sift, *768*

Asher Engineering Corporation
15115 Ramonna Blvd., Baldwin Park, CA 91706
(818) 962-4063

QUADLynx Trackball, *356*
Turbo Trackball, *368*

AT & T Accessible Communication Products Center
5 Woodlawn Road, Parsippany, NJ 07054
(800) 233-1222

Big Button Telephone, *202*
Electronic Artificial Larynx, *4*
RC-3000 Speakerphone, *221*
SignalMan Control Unit, *250*
TDD 2700, 2730, and 2830, *138*

AT & T SourceBook
15 West 6th Street, Cincinatti, OH 45202
(800) 451-2100

Handset for Speech Amplification, *5*

Attainment Company
P.O. Box 930160, Verona, WI 53593-0160
(800) 327-4269

Data Entry, *586*
Illustrated Menu, *73*
Mini Picture Set, *76*
Picture Prompt Stickers, *83*
Pocket Book, *84*
Select-A-Meal and Shopping Cards, *87*

Audio Computer Information, Inc.
P.O. Box 216, Spring Grove, MN 55974
(507) 498-3279

DOS Tape, *470*

Auditory Display, Inc.
162 Schoolhouse Lane, Mount Laurel, NJ 08054
(609) 234-4446

TE 98 Communicator, *139*

Aurex Corporation
315 S. Peoria, Chicago, IL 60607
(312) 733-0480

Neovox, *5*

Automated Functions, Inc.
6424 N. 28th Street, Arlington, VA 22207
(703) 536-7741

LapTalker and LapTalker Plus, *409*

Avenue Software, Inc.
2162 Charest West Blvd., Sainte-Foy, PQ G1N 2G3 CANADA
(418) 682-3088

MacKeymeleon II Version 1.0, *278*

Balloons Software
5201 Chevy Chase Parkway NW, Washington, DC 20015-1747
(202) 244-2223

Big Text Machine, *723*

Baudville
5380 52nd Street Southeast, Grand Rapids, MI 49512
(616) 698-0888; (800) 728-0888

Blazing Paddles, *561*

Baylor Biomedical Services
2625 Elm Street, Suite 102, Dallas, TX 75226
(800) 365-1890

- Adapted Access Speakerphone, *200*
- ALTKEY, *299*
- Pressure Release Alert, *249*
- Rotary Communication Scanner, *45*
- Tone Switch Box, *53*
- Universal I.R. Remote, *231*
- Yes-No Voice Box, *59*

Berkeley Systems, Inc.
2095 Rose St., Berkeley, CA 94709
(510) 540-5535; TDD: (510) 540-0709

- inLARGE 2.0, *407*
- outSPOKEN 1.7, *416*

BEST, Inc.
Boston Educational Systems & Technology, 63 Forest Street, Chestnut Hill, MA 02167
(617) 277-0179; FAX (617) 277-1275

- BEST Buttons, *377*
- BEST Faces, *559*
- BEST Switch Interface, *383*
- Colors and Shapes, *577*

Biolink Computer Research and Development, LTD
4770 Glenwood Avenue, North Vancouver, BC V7R 4G8 CANADA
(604) 984-4099

- Protalk, *418*

Blazie Engineering
105 East Jarrettsville Road, Forest Hill, MD 20510
(410) 893-9333

- Braille 'n Speak, *400*
- Braille Blazer, *433*
- Personal Touch, *439*
- Thiel Braille Printer BETA X-3, *441*
- Type 'n Speak, *426*

Blessing, Maleta
327 W. Melba, Gladewater, TX 75647
(903) 845-4244

- Drive to Live, *587*

Blissymbolics Communication International
250 Ferrand Drive, Suite 200, Don Mills, ON M3C 3P2 CANADA
(416) 421-8377

- Blissymbol Templates, *65*
- Blissymbol Vocabulary Stamps, *65*
- Core Vocabulary, *69*

Borland International
1800 Green Hills Drive, Scotts Valley, CA 95060
(408) 461-9000

- SuperKey, *290*

Bradley Enterprises
1204 Beech Street, Wilmington, DE 19805
(302) 658-0203

- Bradley Board Communication Aid, *66*

BrainTrain
727 Twin Ridge Lane, Richmond, VA 23235
(804) 320-0105; FAX (804) 320-0242

- Captain's Log: Cognitive Training System, *566*
- First Mate, *600*
- Numeric Concepts I and II, *644*

Brown & Company, Inc.
P.O. Box 861, Georgetown, MA 01833
(508) 352-8822

- PC-Pedal, *282*

Brown Bag Software
2155 South Bascom Avenue, Suite 105, Campbell, CA 95008
(800) 523-0764; (408) 559-4545

- MindReader, *744*

Burkhart, Linda J.
6201 Candle Court, Eldersburg, MD 21784
(410) 795-4561

- Head Control Switch, *160*
- Head Switch Kit, *162*
- Joystick Replacer Box, *387*
- Light Pointer, *15*
- Light-Activated Switch, *167*
- Pressure Switch, *177*
- Pull Switch, *178*
- Toy Adapter, *54*

C-CAD (Center for Computer Assistance to the Disabled)
Suite 4041, 1950 Stemmons Frwy, Dallas, TX 75207
(214) 746-4217; FAX (214) 746-4203

- Stickey, *290*

Cafet, Inc.
4208 Evergreen Lane, Suite 213, Annandale, VA 22003
(703) 941-8903

- CAFET for KIDS, *565*
- Computer-Aided Fluency Establishment Trainer (CAFET), *580*

Canon U.S.A., Inc.
One Canon Plaza, Lake Success, NY 11042
(516) 488-6700

- Canon Communicator CC-7S and CC-7P, *98*

Cape Software
P.O. Box 800, Harwich, MA 02645
(508) 432-2435

- RotoTyper, *755*

Castle Special Computer Services, Inc.
9801 San Gabriel Northeast, Albuquerque, NM 87111
(505) 293-8379

- COINSNKEYS, *575*
- SPELLIST, *680*

CE Software, Inc.
1801 Industrial Circle, P.O. Box 65580, West Des Moines, IA 50265
(515) 224-1995

- ProKey For DOS, *286*
- QuicKeys, *286*

Celadon Incorporated
610 22nd Street, Suite 303, San Francisco, CA 94107
(415) 252-7199; FAX (415) 252-7197

- PIC-100 Programmable Remote Controller, *219*

Center for Developmental Disabilities
University of South Carolina, Benson Building, First Floor, Columbia, SC 29208
(803) 777-4435

- The Logical Choice (TLC), *520*

Centigram
91 E. Tasman Drive, San Jose, CA 95134
(408) 428-3500

- CallText 5000, *449*

Cerebral Palsy Research Foundation of Kansas, Inc.
2021 North Old Manor, P.O. Box 8217, Wichita, KS 67208
(316) 688-1888

- Variable Position Scanner, *57*

CH Products
970 Park Center Drive, Vista, CA 92083
(619) 598-2518

- Roller Mouse, *361*

Chatterbox Voice Learning Systems
2265 Westwood Boulevard, Suite 907, Los Angeles, CA 90064
(213) 623-8755

- Voice Math, *705*
- Voice Reading Ability Drill, *705*

Chinon America Inc.
660 Maple Avenue, Torrance, CA 90503
(800) 441-0222; (213) 533-0274

- DeskScan 3000, *307*

Cleo, Inc.
3957 Mayfield Road, Cleveland, OH 44121
(216) 382-9700; (800) 321-0595

- Adjustable Head Pointer, *11*
- Cleo Communication Board, *67*

Cognitive Rehabilitation
6555 Carrollton Avenue, Indianapolis, IN 46220
(317) 257-9672

- Soft Tools, *674*

Comm-Tel
P.O. Box 1276, Rialto, CA 92377
(909) 820-1246; TDD (909) 820-1270

- SIDD (Software Interface for the Deaf and Disabled), *755*

Command Corp, Inc.
3675 Crestwood Parkway, P.O. Box 956099, Duluth, GA 30136-9502
(404) 925-7950; FAX (404) 925-7924

- BUG Voice Command System, *304*

Communication Development Products, Inc.
P.O. Box 531, MCV Station, Richmond, VA 23298
(804) 672-2550

- Foto Series, *72*

Communication Intelligence Corporation
333 Ravenswood Avenue PS 357, Menlo Park, CA 94025
(415) 328-1311

- Handwriter Recognition System, *321*

Communication Skill Builders
3830 East Bellevue, P.O. Box 42050, Tuscon, AZ 85733
(602) 323-7500

- 40,000 Selected Words, *489*
- Cue-Write, *585*
- Idioms in America, *612*
- Pictures, Please!, *84*
- Prosody - Voice Screening Profile Software, *538*
- Self-Talk Communication Boards, *88*
- Self-Talk Stickers, *88*

Communications Applied Technology
11250-14 Roger Bacon Drive, Reston, VA 22090
(703) 481-0068; FAX (703) 471-4428

- R/S IV Series Wireless Link, *392*

Compeer, Inc.
1409 Graywood Drive, San Jose, CA 95129
(408) 255-3950

- PC-Voice, *748*
- Porta-Voice, *112*
- Porta-Voice II, *112*

Compu-Tations, Inc.
P.O. Box 487, Southfield, MI 48037
(800) 345-2964; (313) 557-9280

- Special Skill Builders I & II, *677*

ComputAbility Corporation
40000 Grand River #109, Novi, MI 48375
(313) 477-6720; (800) 433-8872

- AID+Me Programmable Keyboard, *299*
- Air Cushion Switch, *145*
- Brunswick Hospital Cognitive Assessment & Retraining, *563*
- Crank Adjustable Table, *469*
- Expanded Keyboard Pullout Drawer, *471*
- Expanded Membrane Keyboard, *312*
- Hand Switch, *160*
- Head Switch, *161*
- Height Adjustable Table, *472*
- Interface Box for Apple II, *386*
- Joystick Mastery, *617*
- Keyboarding with One Hand, *620*
- Keyguard, *272*
- Mini Membrane Keyboard, *337*
- Multiple Switch Box Kit, *389*
- Overlays for the Expanded Membrane Keyboard, *479*
- Puff Switch, *178*
- Rehabilitative Software for Young Adults ..., *663*
- Single Switch Assessment Program for IBM, *541*
- Sip and Puff Switch, *183*
- Visual/Perceptual Diagnostic Testing & Training Progs., *543*
- Wobble Switch, *192*

Computer Conversations, Inc.
6297 Worthington Road Southwest, Alexandria, OH 43001
(614) 924-2885

- Verbal Operating System (VOS) 5.0 and VOS Basic, *427*
- VERBal STAR, *763*
- Verbal View, *427*
- Verbette Mark I, *460*
- Verbette Mark II, *460*

Computer Foundation for Handicapped Children
Don Peterson, 2514 E Highland Avenue, Phoenix, AZ 85016
(602) 831-3519

- Apple Programs for the Handicapped, *555*
- Computer Aids for the Blind (40 programs), *727*
- Computer Aids for the Non-Verbal (50 programs), *728*
- Programs for Early Learning and the Retarded, *657*

Computer Support Corporation
15926 Midway Road, Dallas, TX 75244
(214) 661-8960; FAX (214) 661-5429

- On-Command, *345*

Computerade Products
2346 Wales Drive, Cardiff, CA 92007
(619) 942-3343

- Catch the Cow, *531*

Computers to Help People, Inc.
1221 W. Johnson Street, Madison, WI 53715
(608) 257-5917, (608) 257-1270 TDD

- Academics with Scanning: Language Arts, *549*
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- Apple II DOS 3.3 Manual, *465*
- CHPI Apple Tool Kit, *725*
- Dynaread, *730*
- Mac-Apple Communications Aid, *741*
- Maze, *634*
- Motor Training Games, *716*
- NOHOLD, *280*
- Sentence-Scan, *118*
- Trace Math Aid, *695*
- Write, *710*

Conover Company
P.O. Box 155, Omro, WI 54963
(800) 933-1933; (414) 231-4667

- Career Planning System, *566*
- Community Signs, *577*
- Employment Signs, *594*
- English on the Job, *594*
- Grocery Store Words, *607*
- Information Signs, *613*
- Job Search and Local Job Bank, *535*
- Math on the Job, *632*
- Medical Words, *634*
- Microcomputer Evaluation of Career Areas (MECA), *536*
- Reasoning Skills on the Job, *662*
- Safety Signs, *665*
- Survival Words, *683*
- Transportation Signs, *695*
- VOC Report, *523*

Consultants for Communication Technology
508 Bellevue Terrace, Pittsburgh, PA 15202
(412) 761-6062

- CCT Environmental Control, *203*
- Handy Speech Communication Aide, *105*
- One Access, *346*
- Wish Writer, *766*

Consumer Care Products, Inc.
P.O. Box 684, 810 N. Water Street, Sheboygan, WI 53082
(414) 459-8353

- Rx WorkStations, *481*

Cornucopia Software, Inc.
Post Office Box 6111, Albany, CA 94706
(510) 528-7000

- IBM-VBII, *736*
- VersaBraille Electric Webster, *764*

Covox, Inc.
675-D Conger Street, Eugene, OR 97402
(503) 342-1271; FAX (503) 342-1283

- Speech Thing, *455*
- Voice Master Key System and Key System II, *371*

Craner Cabinetry
3190 South 4140 West, West Valley City, UT 84120
(801) 966-1127

- CompuDesk HCP, *468*

CREATE
P.O. Box 28, Hales Corners, WI 53130
(414) 529-4964

- CREATE, *583*

Creative Learning, Inc.
206 Sacramento Street, Suite 305, Nevada City, CA 95959
(916) 292-4262; (800) 284-0584

- Multisensory Curriculum, *641*

Creative Switch Industries
P.O. Box 5256 Des Moines, IA 50306
(515) 287-5748

- AC Adaptor FRE-103C, *22*
- And Or Box, *24*
- Battery Interrupters, *27*
- Button Switch, *149*
- Chime Box, *27*
- Classic Paddle Switch, *151*
- Coil Spring Wobble Stick Switch, *151*
- Counter Box, *31*
- Deluxe Paddle Switch II and Mini Deluxe Paddle Switch, *153*
- Double Paddle Switch, *154*
- Flexit Switch, *158*
- Latch Box, *38*
- Low Force Adjustable Rod Switch, *168*
- Mat Switch, *168*
- Mercury Switch, *169*
- Multi-Control Press Switch, *171*
- Pinch Switch, *173*
- Standard Paddle Switch, *184*

Crestwood Company
6625 N. Sidney Place, Milwaukee, WI 53209
(414) 352-5678; FAX (414) 352-5679

- Beeper, *238*
- Communiclock, *29*
- Crestalk, *99*
- Membrane Plate Switch, *169*
- Mini Talking Card Reader, *39*
- Object-Picture Talk Board, *78*
- Opticommunicator, *78*
- Passport Kits, *79*
- Porta Book, *86*
- Quad Talk, *44*
- Talking Pictures Communication Board, *89*
- Talking Pictures, Kits I, II, and III, *89*
- Tape-A-Message Mike and Adapted Tape-A-Message, *51*
- Touch Switch (Crestwood), *188*
- Tri-Responder, *56*

Cross Educational Software
504 E. Kentucky Ave., P.O. Box 1536,
Ruston, LA 71270
(318) 255-8921

- Peachy Writer Bold, *749*
- Talking Riddles, *689*
- Talking Writer & Four Games, *757*

CRT, Inc.
490 Tenth St., NW, Atlanta, GA 30332
(800) 457-9555; (404) 876-8580

- AbleOffice, *465*

CSUS Assistive Device Center
California State University--Sacramento,
6000 J Street, Sacramento, CA 95819-6027
(916) 278-6422

- Switch Training Program and Communication Training Pgm., *685*

Curriculum Associates, Inc.
5 Esquire Road, North Billerica, MA 01862
(800) 225-0248; (508) 667-8000

- TALLEY Goals and Objectives Writer, *518*

Curtis Manufacturing Company, Inc.
30 Fitzgerald Drive, Jaffrey, NH 03452
(603) 532-4123, (800) 548-4900

- MVP Mouse, *343*

Datadesk International
Division of Prometheus Products, Inc., 9524
SW Tualatin-Sherwood Road, Tualatin, OR
97062
(503) 692-9600

- Switchboard, *365*

Deafworks Company
P.O. Box 1265, Provo, UT 84603-1265
(801) 375-3560; FAX (810) 377-3561

- TDD Communication Trainer System, *52*

Dean Rosecrans
P.O. Box 310, Nampa, ID 83653
(208) 467-4790

- SPKR, *7*

DEKRO, Inc.
2758 Margaret Mitchell Dr., Atlanta, GA
30327
(404) 351-1103

- VISPA, *703*

DEST Corporation
1015 E. Brokaw Road, San Jose, CA 95131
(408) 436-2700

- PC Scan 3000 and Personal Scan, *350*

Development Systems, Inc.
The Highland Building, 402 Highland
Building Suite #6, Cheshire, CT 06410
(203) 272-1117

- EZ-D.O.T., *502*

Dickey Engineering
3 Angel Road, North Reading, MA 01864
(508) 664-2010

- Saltus Reader, *224*
- Sponge Nurse Call Switch, *183*

Digital Equipment Corporation
Continental Blvd., Merrimack, NH 03054
(603) 884-8990

- DECtalk, *449*
- DECtalk PC, *402*

Dimango Products
7258 Kensington Road, Brighton, MI 48116
(313) 486-0770

- On/Off Remote Switch, *219*

DiRAD Technologies, Inc.
14 Computer Drive East, Albany, NY 12205
(518) 438-6000; TDD: (518) 459-6710

- Ultra-Silent, *140*

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(612) 890-7123

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Language Analysis Lab, Waisman Center
1500 Highland Avenue, Madison, WI 53705
(608) 263-5807

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110 East Spring Street, Winooski, VT 05404
(800) 562-6801; (802) 655-4755

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(904) 423-0705

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1046 Deep Cove Road, North Vancouver, BC V7G 1S3 CANADA
(604) 929-6663

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Resources for Industry
Prospect Avenue, R.D. 3, Box 12, Walton, NY 13856-9711
(607) 865-7184

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Riverside Publishing Company
8420 Grand Mar, Chicago, IL 60631
(800) 767-8378

Compuscore, *495*

Rossi, Pete
P.O. Box 538, Allwood Station, Clifton, NJ 07102

Audio Braille - Six Keys, *557*

Safko International, Inc.
3140 N. Arizona Ave., Suite 111, Chandler, AZ 85224
(602) 497-1987

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SARA Systems, Inc.
1919 N. Amidon, Wichita, KS 67203
(800) 872-7279; FAX (316) 838-0770

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Sbordone, Robert, PhD
7700 Irvine Center Drive, Suite 750, Irvine, CA 92718
(714) 753-7711; FAX (714) 753-7708

Computer Progs. for Neuropsychological Testing & Rehab., *580*

See A Need
8864 Kalmar Drive, Colorado Springs, CO 80920
(719) 282-0141

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Sentient Systems Technology, Inc.
2100 Wharton Street, Suite 630, Pittsburgh, PA 15203
(412) 381-4883; (800) 344-1778

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Shea Products, Inc.
1721 W. Hamlin, Rochester Hills, MI 48309
(313) 852-4940

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Sher-Mark Products Inc.
11 Deer Ridge Road, RFD 4, Mt. Kisco, NY 10549
(914) 241-6262

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Siemens Hearing Instruments, Inc.
6 East Pipe Lane, Suite 128, Prospect Heights, IL 60070
(800) 333-9083; (908) 562-6600

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Sigea Systems, Inc.
19 Pelham Road, Weston, MA 02193
(617) 647-1099

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Silent Call Corporation
P.O. Box 868, Clarkston, MI 48347-0868
(313) 673-0221

Omni Page System, *247*
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SkiSoft Publishing Corporation
1644 Massachusetts Avenue, Suite 79, Lexington, MA 02173
(800) 662-3622; (617) 863-1876

Eye Relief, *732*

SLED Software
P.O. Box 16322, Minneapolis, MN 55416
(612) 926-5820

Complete Spelling Program, *578*

Slosson Educational Publications, Inc.
P.O. Box 280, East Aurora, NY 14052
(800) 828-4800; (716) 652-0930

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Smith-Kettlewell Eye Research Institute
2232 Webster Street, San Francisco, CA 94115
(415) 561-1677; FAX (415) 561-1610

Auditory Breakout Box, *467*

Soft Cole
1804 Mississippi, Lawrence, KS 66044
(913) 842-6085

I Can Talk, *611*

Softac Corporation
23 Sunset Road, Winchester, MA 01890
(617) 721-1010

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Southern Micro Systems
3545 South Church Street, Burlington, NC 27215
(919) 584-1661; (800) 637-9089

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Spin-A-Test Publishing Company
3177 Hogarth Drive, Dept. TR, Sacramento, CA 95827
(916) 369-2032

Game Power for Phonics, Plus, *535*

Stanton Magnetics
101 Sunnyside Boulevard, Plainview, NY 11803
(516) 349-0235; FAX (516) 349-0231

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Sunset Software
9277 East Corrine Drive, Scottsdale, AZ 85260
(602) 451-0753

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Switch In Time
101 Clay Street, Cambridge, MA 02140
(617) 354-6577

SwitchEnsemble, *685*

Syntha-Voice Computers Inc.
125 Gailmont Drive, Hamilton, ON L8K 4B8
CANADA
(800) 263-4540, (416) 578-0565

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Talktronics, Inc.
27341 Eastridge Drive, Lake Forest, CA
92630
(800) 421-7668; (714) 768-4220

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91 Station Street, Unit 1, Ajax, ON L1S 3H2
CANADA
(416) 686-4129

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P.O. Box 645, Woodstock, VA 22664
(703) 436-3723

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Technical Perspectives, Inc.
3108 Kristin Court, Garland, TX 75044
(214) 495-2410; (214) 495-3595

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Technology for Language and Learning, Inc.
P.O. Box 327, East Rockaway, NY 11518
(516) 625-4550

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Teledyne Brown Engineering
P.O. Box 897, Highway 43N, Jackson, AL
36545
(800) 944-8002; (205) 246-6661

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TeleSensory, Inc.
455 North Bernardo Avenue, P.O. Box 7455,
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(415) 960-0920; (800) 227-8418

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1714 Olson Way, Marshalltown, IA 50158

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Temasek Telephone, Inc.
260 East Grand Avenue #19, South San
Francisco, CA 94080
(415) 875-6666; (800) 647-8887

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Terpenning, Joseph L.
25 Rose Hill Park, Cornwall, NY 12518
(914) 534-3339; (914) 534-4023

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Tetra
308 W. Glenn, Tucson, AZ 85703
(602) 321-1154; (602) 622-4874

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155 E. Broad St., #325, Rochester, NY 14604
(716) 454-5134; (800) 724-7301

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Tolfa Corporation
1001 N. Rengstorff Avenue, Mountain View,
CA 94043
(415) 494-3220

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Touch Turner
443 View Ridge Dr., Everett, WA 98203
(206) 252-1541

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Toys for Special Children, Inc.
385 Warburton Ave., Hastings, NY 10706
(914) 478-0960; FAX (914) 478-7030

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S-151 Waisman Center, 1500 Highland Avenue, Madison, WI 53705
(608) 262-6966

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TRAIN, Inc.
Suite 101, Neshaminy Plaza II, Bristol Pike & Street Road, Ben Salem, PA 19020
(215) 639-1510

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Traxler Enterprises
6504 W. Girard Ave., Milwaukee, WI 53210
(414) 445-5925

TRAX PAX Talking Checkbook, *760*
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Trident Technologies
3309 Winthrop #85, Fort Worth, TX 76116
(817) 738-2485

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Typewriting Institute for the Handicapped
3102 W. Augusta Avenue, Phoenix, AZ 85051
(602) 939-5344

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UCLA/LAUSD Microcomputer Project
23-10 Rehabilitation Center, 1000 Veteran Avenue, Los Angeles, CA 90024
(310) 825-4821

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UNITED Educational Services, Inc.
P.O. Box 1099, Buffalo, NY 14224
(800) 458-7900, NY (716) 668-7691

Rate Drill in Articulation, Language and Fluency, *660*

United Systems Associates Corporation
13222-B Admiral Avenue, P.O. Lockbox 9669, Marina Del Rey, CA 90292
(800) 359-4554; (310) 397-4217

Micro-Alarm and Alert-911, *246*

University of Michigan Software
Intellectual Properties Office, University of Michigan, 475 E. Jefferson Room 2354, Ann Arbor, MI 48109
(313) 936-0435

Serial Recall: Assessment, *540*
Serial Recall: Rehearsal, *669*

Valpar International
P.O. Box 5767, Tucson, AZ 85703
(800) 528-7070; (602) 293-1510

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Various (Generic Product)
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Vertex Systems Corporation
705 Lakeview Plaza Blvd. #J, Worthington, OH 43085
(614) 846-3427

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Visuaide 2000, Inc.
1111, rue St-Charles, Tour ouest, 2e etage, Longueuil, PQ J4K 5G4 CANADA
(514) 463-1717; FAX (514) 463-0243

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16 E. Lafayette Street, Hackensack, NJ 07601
(201) 487-8080; FAX (201) 487-6637

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VME Technologies, Inc.
5202 Westland Boulevard, Baltimore, MD 21227
(301) 455-6395; FAX (301) 455-6399

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Voice Connection
17835 Skypark Circle, Suite C, Irvine, CA 92714
(714) 261-2366

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Voice Recognition Technologies, Inc.
Computer Voice Systems Division, 220 Henley Road, Woodmere, NY 11598
(516) 295-3230

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Voice Technologies
120 Village Square #143, Orinda, CA 94563
(510) 373-7131

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VORT Corporation
P.O. Box 60132, Palo Alto, CA 94306
(415) 322-8282

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Votan
Division of Moscom Corporation, 6920 Koll Center Parkway #214, Pleasanton, CA 94566
(510) 426-5600; FAX (510) 426-6767

Voice Card, *370*

Vysion, Inc.
30777 Schoolcraft, Livonia, MI 48150-2010
(313) 522-3300; FAX (313) 522-3630

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Walker Equipment Corporation
P.O. Box 829, Highway 151 South, Ringgold, GA 30736
(800) 426-3738; FAX (706) 935-4603

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Wayne County Regional Education Service Agency
ADAMLAB, 33500 Van Born Road, Wayne, MI 48184
(313) 467-1610

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Weil, Glenn
Westlands Estates, 4139 Paramount Blvd, S P 57, Pico Rivera, CA 90660
(310) 692-4939

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West Virginia Research and Training Center
West Virginia University, 806 Allen Hall, P.O. Box 6123, Morgantown, WV 26506
(304) 293-5313

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WestCode Software
15050 Avenue of Science, Suite 122, San Diego, CA 92128
(619) 487-9200; (800) 448-4250

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Western Center for Microcomputers in Special Education
1259 El Camino Real, Suite 275, Menlo Park, CA 94025
(415) 326-6997

Western Center Echo Synthesizer Package, *486*

Western Psychological Services
12031 Wilshire Blvd., Los Angeles, CA 90025
(800) 648-8857; (310) 478-2061

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5 Sterling, Irvine, CA 92718
(714) 586-9950; (800) 854-7226

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1470 N. Main St., Bountiful, UT 84010
(801) 298-7100; (801) 292-7379

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310 School Street, Acton, MA 01720
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Williams Sound Corporation
10399 West 70th Street, Eden Prairie, MN 55344
(612) 943-2252; (800) 328-6190

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Wings for Learning/Sunburst Communications
P.O. Box 660002, Scotts Valley, CA 95067
(800) 321-7511

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Woodsmith Software
Route 3, Box 550 A, Nashville, IN 47448
(812) 988-2137

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Words+, Inc.
P.O. Box 1229, Lancaster, CA 93584
(805) 949-8331, (800) 869-8521

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WorkLink Innovations
2328 Tice Valley Blvd., Walnut Creek, CA 94595
(510) 937-9347; FAX (501) 937-9640

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WorkStations, Inc.
165 Front Street, Door D, Chicopee, MA 01013
(413) 598-8394; FAX (413) 594-9116

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World Communications
245 Tonopah Drive, Fremont, CA 94539
(510) 656-0911

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91 Ruckman Road Box 420, Closter, NJ 07624-0420
(201) 784-9700

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(800) 248-6550

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Zygo Industries, Inc.
P.O. Box 1008, Portland, OR 97207
(800) 234-6006; (503) 684-6006

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